

A Complete Bibliography of Publications in *SIGCSE Bulletin*: 1970–1979

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

21 April 2018
Version 1.07

Title word cross-reference

³ [LHL79].

0 [NFB+78].

1 [ES78]. **11** [TL79]. **1971** [Jor72]. **1972** [LR73]. **1978** [Wil78]. **1979** [Dal79].

4-year [JTF78].

'68

[CAO+76, Eng76, Con73, EAAD79, LT74, Lit74, Bat74, DN76, GG73, Men74].

'70 [Zin70]. **'77** [WP78b, Lop78]. **'78** [EAAD79, DAB+79].

a.k.a [Eck78]. **ability** [New75, Tro79]. **Abstract** [Bol73, Eng76, Kug75].

Abstracts [Zin70, Bun71]. **Academic** [MS76b, Bar75b, CD79, KL78, Miz76a, RH73, TB77]. **academic/industry** [CD79]. **Academy** [Wu74]. **accelerated** [Dal77]. **acceptable** [UA76]. **achieve** [Nei77]. **ACM** [Ash73, ABB⁺77b, Ban78, Eng71a, Hug70, LSL⁺76, LSA⁺76, Lop78, SLC⁺74, Sap75, Wor78]. **Activity** [LSL⁺76]. **Adapted** [Dal76]. **adaptive** [Sam74]. **addition** [Mod74]. **addressing** [Bei72]. **Adequate** [Hug70, Wes72]. **Adleman** [BB79, SP79]. **administrators** [God75]. **admissions** [CMT74]. **adopts** [Tho75]. **Advanced** [Kha77a, Ham75a, Lov72, Lus77, McF75, TT78b, Wil76a, vDSMM74]. **advising** [Gil76]. **Advisory** [GH79]. **aerodynamics** [For73]. **aid** [BBS75, MD76, PP77, RJB71, Wol76a]. **aided** [KF76, Mar72, SS79]. **aiding** [Maz79]. **AIDS** [Cha78c]. **algebra** [SS79]. **ALGOL** [KR72]. **ALGOL-E** [KR72]. **ALGOL68** [Hed77]. **algorithm** [Jon79, Kon75, Nor74, Pum75]. **Algorithmic** [Ott76, IE72]. **algorithms** [Ano77, Ker78]. **Alice** [Car78]. **alone** [Bow78]. **alphabet** [Mod74]. **Alternative** [Kha77b, New73, DN76]. **alternatives** [Rin78]. **always** [BB79]. **American** [Mij78, Rot78]. **analog** [KPM74]. **analog/hybrid** [KPM74]. **analysis** [Cor78, EDL70, Hed72, IN76, IE72, Ort74, Rot75, SG78, Whi72, YGM73]. **Animated** [Bae75]. **annual** [Ing75, McF75]. **APL** [KH74, PW74]. **application** [Bai73, Pow79, SI79]. **application-oriented** [SI79]. **Applications** [Coo77a, BL76, Cab73, God75, KW78, Lak76, Lov79, PW75b, SBS76, Sch78b, TM74, TS75]. **applied** [Lus77, MF79]. **Approach** [Ott76, Aik78b, AHP77, Beu75, Che76c, Con77, Coo77b, CL76, Dal78d, Gol71, HH73, Jär77, KR72, Kim78, Lan75, MF79, MH75, Mit79, Nel78, PW75a, PB77, PS78c, Pum75, Rag79, Seb76, SM76, SS74, SW79, UA76, Vis77, Yel78, Aik78a]. **Approaches** [AT77a, Lem79]. **Arabia** [Air76]. **architecture** [Slo74, Smi76, Tho74]. **area** [Wes72]. **areas** [Oli74]. **arithmetic** [Mat70b]. **arrogant** [DS72]. **Articulation** [JBF76]. **artificial** [Fin70]. **arts** [ASW78, BNS78, Din75b, Kom70, LR72, LR73, Lei72, Mei79, Nan76, Rot72, Sap75, Smi78, Smi79, Wor78, Zim71, dC70]. **ASAG** [WA74]. **ASAP** [MK73]. **Assembler** [PP77, Bas77, Bei73, Bei77, Mas73, McC74, Sjo76]. **assembly** [Smi76, vDDDN76]. **assessment** [Bra70, Fre76a]. **assignment** [Mac79, WA74]. **assignments** [Aik71a, Wei73]. **ASSIST** [HP76, Mas73]. **ASSIST-V** [HP76]. **assisted** [IN76, Lew74, SBS76, Swi76]. **Association** [LAS⁺77]. **asynchronous** [Vis78]. **Atlanta** [MS76b]. **ATOPSS** [Tra74]. **attitude** [Luc76]. **attitudes** [Bai73, PW74, Slo76, Wai79, Wil73]. **audio** [SS79]. **audio-tutorial** [SS79]. **augmented** [Gro75]. **Australia** [Moc78]. **author** [WA74]. **author-mode** [WA74]. **authors** [Shn77]. **automata** [Aik70, RJB71]. **Automatic** [Wol76a, DN75, MM73, Mus76, NW74]. **Automating** [NR73]. **awareness** [Maz77].

B.S [Kal74]. **B.S.** [Map73]. **B3** [Kor75, Wax75]. **B4Tran** [MH75]. **Bachelor** [Arc75, KK78, SW71]. **Background** [Hug70]. **Baker** [PS78b]. **base** [GH78, Lam78, LT78, Ste78]. **based**

[AT77a, BR79, Bow78, FL76, GG77, Sap75, Vaw76, Wol76b]. **basic** [BB76a, Beu75, Co078, Rag79]. **Basic2** [Dal78b]. **Battelle** [BJ76]. **battered** [Har77]. **Bayesian** [IN76]. **be** [HM75]. **BECUN** [BJ76]. **before** [Kim79]. **beginners** [NS76, Tay77]. **beginning** [Bre76, Kei76, Rot78, SW74a]. **Behavioral** [SI79, Bal78]. **belong** [Din75b]. **between** [Ega76, TT78a]. **binary** [Den79b]. **black** [MS76b]. **blind** [Har77]. **board** [Lev79]. **book** [Bar75a]. **both** [NS76]. **BRAINO** [AS78]. **Breadth** [SSL79]. **bridge** [Web75]. **Brigham** [Hay74]. **Buffalo** [Fin70]. **Bulletin** [Lit77]. **Business** [AP70, Cha74a, CS77, DEN79a, Hon75, KH75, Miz76a, Sch78b, Ste78, Fai74b]. **Business-Oriented** [Fai74b].

C [LHL79]. **CADA** [IN76]. **CAI** [DFF+78, Lin76, LK76, Sob76, Wu74]. **CAI/CMI** [Lin76]. **CAJC** [LHL79]. **Calculator** [Mou77]. **Calculators** [Mou76]. **Calumet** [AM79]. **campus** [AM79, Mod73]. **can** [Shu79]. **Canadian** [Slo74]. **can't** [LL78]. **captioned** [MPS78]. **card** [Der70]. **Career** [BCS79, LSL+76, LAS+77]. **Careers** [Haa78]. **case** [Car78, Chv78, Ham75a, Hom77, Kor75]. **cases** [Lov79]. **center** [Pec77, Var78, MS76b]. **central** [Eck76a, MHA78]. **certification** [BFC79, Har74]. **challenge** [DKMS75, HWC75, Moo70, Smi79]. **change** [Luc76]. **changing** [NW74]. **chemical** [Mor72]. **Chief** [PW75a]. **Child** [Sol76]. **City** [Aik78a, May75]. **clarity** [Den79b]. **class** [Kei76, PW75a]. **classes** [KS78]. **Classroom** [Bau76, Bau75, KR76, McG73, Mil78, Wel76]. **Closing** [Ega76]. **CMI** [Lin76]. **CMU** [Dep73]. **COBOL** [FM78, Kei76, Kha76, Kha77a, Miz76b, BC77, Lem78a]. **College** [Aik78b, CMT74, LR73, LHL79, LSL+76, LSA+76, Con73, DRT75, Din75a, Din75b, Ell73, HT73, Lei72, LAS+77, Mor77, Mou74, RH73, Rot72, Sap75, Smi79, Sti73, SS79, Tho75, War75b, Wol76b, Wor78, Zim71, dC70, GM79, May75]. **colleges** [ASW78, AE72, CK79, Con75, Eng70b, Eng71b, JBF76, LR72, LR73, Lew75, Lew76, Lit74, Pec75, PDS+79, Weg71]. **Combining** [BS76]. **COMES** [DFF+78]. **Comments** [Eng70a, Hos73]. **commercial** [Sob76]. **Committee** [Eng71a, LHL79, LSA+76, MK74, ABB+77b, Cai75, Ham79, LAS+77]. **Communication** [San78, San78]. **communications** [Thu79]. **Community** [CMT74, LSL+76, LSA+76, BR79, Con73, JBF76, Lit74, LAS+77, LHL79]. **community/junior** [Con73]. **comparative** [Pag78]. **Competency** [KRFS79]. **Compiler** [App79, Cal78, Cha75, Bar75a, Dal78d, Din75a, FS79, HHP77, SM76, vdR79]. **compiler.kit** [Abb77a]. **Compiling** [TT78a]. **complementary** [Kim78]. **complete** [BC70]. **component** [Der78, Mat70b]. **composition** [Kim79]. **comprehensive** [Cla79, Cor70]. **computability** [Har78]. **computation** [CC72]. **computational** [Mat70b, Rhe73, YGM73]. **Computer** [Abb75a, Agr76, Aik78b, Air76, Any78, Atc73, AE72, Bae75, BC79, BP73, BM75, Boy76, BNS78, Cab73, CK79, Cha74a, CMT74, Chv78, CH78, Cur75, Dal79, EG76, Eng70b, Eng71b, Eng71a, Fle74, FGH+70, FK73, God74, God75, GG73, Haa78, Ham75b, Ham77, HBJ76, JRS78, Jor72, Kal74, Kay74,

LR72, LR73, LT75, LHL79, Lei72, Lev76, Lew76, LSL⁺76, Lov75, Mal72, Mar72, MD76, Mei79, Mod73, Mor72, MK74, MN76, Mul76, Nah79, Nan76, Nei76, NT70, PE73, PB74, Poi79, Ran75, Roo72, Shn71, SS74, Slo74, Slo76, Sny70, Sol76, ACM72, Sta72, SAK⁺78, Sto74a, SS79, Tho74, Var79a, Wal73, War75b, WP78a, Abb75b, Abs78, AH72, AIS72, Aik71b, Aik72, AC72, And72, Ano76, Arc75, AP70, Ash73, Aus74, ACEH76, ABB⁺77b, Bai73, Bar75b].

computer

[BMOW76, Bat73, BJ76, Bei74, BG76, Ber79, Beu75, Bon74, BL76, BC70, BS76, BFC79, CJPT77, Car78, CC72, Cha77, Cha78b, Che75, Che76a, Che76b, Cla79, Cla74, Cla76, Con77, CAO⁺76, Co077b, Cor78, CS77, CR70, Dal77, Dav77, DP79, Den70, Dep73, Der78, Des72, DAC⁺78, Din75b, DG74, Dow74, DMH⁺77, Eck72, Ega76, EDL70, EW72, Eng70a, EB72, EJ73, Eps75, Fai74a, FAT78, FL76, FHSW78, For70a, FJ78, FJ77, Gib77, GLO74, God73, Gol71, GS76, Gon78, GB73, Gra78, Gro75, Ham74, Ham75a, Ham79, HLEA79, Ham70, HAB⁺76, Ham75c, Han78, HM75, Har74, Hay74, HA71, HJ73, Hel73, Hof74, Hom78, Hon73, Hon75, Hos73, Hun70, IN76, Iye76, Iye78, Jac76a, Jeh74, JBF76, Jon75a, Jon75b, JK77, KK78, Ker78, Kha77b, KL78, KH75, Kim78].

computer [KRFS79, KF76, KH74, KS74, Kru78, KPM74, Lak76, Lav78, Lev79, Lew75, LI76, Lin78, Lin79, LAS⁺77, Lov79, Lov74, Lov72, Luc76, Lus77, MF79, MM78a, MS77, Man74, MK72, Mat78, Mat70b, Mau71, Maz76, Maz77, Maz79, MB76a, MB79, Mil75, Mil78, MM78b, Moc78, Mod74, Moo70, MHA78, Mou76, Mou78, MPS78, Nei77, New73, Nie70a, Nie72, Nie70b, NR73, NFB⁺78, Noe73, Noo79, OR77, Oli73, Oli74, Oml78, Pag78, Pee76, PS78a, PB73, PB77, PC76, Poi76, Pol78, PK74, Pos79, Pow79, Rag79, RH73, Ral71, Rei71, Rin78, RGH78, Rob75, Rog78, Ros76, Rot72, Rub76, Sal77, Sam74, SBS76, San78, Sch78a, Sch79, Sch77, Sch71, Sch73, Sem73, Sen74, SI79, Sha72, Sha73, Sjo76, SR76, Smi79, Smo76b, Sol79, Som77, Son75, Son78]. **computer** [SG78, Ste72, SP70, Sti73, Sto78, SSL79, Sto75, SW71, Swi76, SW79, Tch75, TT78b, Tho79, Tho75, Thu79, Tra76, TM74, Vaw76, Vic71a, Vis77, Wai79, Wal74, War75a, Wea78, Wea79, WZ73, Weg70, Weg71, WW74, Wei77, Win78, Win77, Wol76b, Wor78, YGM73, Yel78, Zel72, dC70, Lin76, AM79, CM75, GH79, Pec75]. **Computer-aided** [SS79, KF76]. **computer-assisted** [IN76]. **computer-based** [FL76, Wol76b]. **Computer-controlled** [Lev76].

computer-graphics [Dow74]. **Computer-scored** [Boy76].

computer-supported [Jon75a]. **COMPUTER-TUTOR** [Lin76].

Computers [ACEH76, Con75, HH73, Kol79, Lee72, Mou74, Mou79, Poi78, PDS⁺79, Sam75, AP71, Bol73, Dal76, For73, GG78, Iye78, Kom70, Mar76, McG73, Mor77, Rhe73, Shu79, Wil73, Zin70]. **Computing** [BKDH79, Hob78, LAS⁺77, Wil76b, Zim71, ASW78, Bra70, CGS75, DKMS75, Eck76a, Fre76a, HWC75, Ing75, Lem78b, Lew76, May75, Mil73, MS76b, Mul76, Nie70a, Sap75, Smi78, Sol78, SW74b, TP72, Tay79, Tha79, Var78, deG72, Fai74b]. **conceal** [BB79]. **concentrated** [Ell73]. **concentration** [Oli74]. **concept** [Con77].

concept-oriented [Con77]. **concepts**

[Aik72, Eck76b, Lam76, Lev76, Miz76b, Tra74, Wak78]. **concrete** [Kug75].

concurrent [Dal78c]. **Conducting** [KS78]. **configuration** [Rei71].
confusions [Ham75c]. **connection** [TT78a]. **Consequences**
 [DAB⁺79, Noo79]. **Consideration** [Fre76a]. **considerations** [FK76].
considered [DS72, GCS77]. **consortium** [MS76b, BKDH79]. **constrained**
 [Fre76b]. **construction** [Cha75, Dal78c, SM76]. **contain** [HFL⁺78]. **content**
 [God73]. **Contesting** [Met79]. **continued** [For70a]. **continuing** [Des72].
control [EB79, KPM74]. **controlled** [Lev76, SSL79]. **Cooperative**
 [AH78, Arn78, HA78, FJ78, God74, War75a]. **core** [Cla74]. **Cornell** [Sal73].
Correction [ACM72]. **correctness** [Mau77, Yel78]. **cost** [Lem78a, UA76].
cost-effectiveness [Lem78a]. **Council** [GH79]. **counterfeit** [WW74].
countries [Chv78, Maz79, San78, SAK⁺78]. **country** [Lav78]. **Course**
 [Hof74, Mat70a, Nar70, Aik70, Aik71a, Bai73, Bar75a, Bas77, Bau79, Bei73,
 Bei79, BL76, Bow78, Cal78, Cav75, Cha75, Cha77, Cha78a, Cha78b, Che75,
 Cla76, Con75, Coo76, Coo77b, Coo77a, Dal76, Der70, DRT75, Din74, Din75a,
 Din77, Dow74, Dun74, EB79, ES78, FHSW78, FM78, FM79, Fre76b, FJ77,
 Gib77, Gra78, Gri74, GG77, GG78, HM75, HSW78, Hom77, HGU79, Iye76,
 Iye78, Jal78, JW78, Ker78, Kha76, Kha77b, KH75, KW78, Kol79, Law74,
 Lee72, Lev78, Lin76, Lov72, Lus77, Mac74, Mar76, MT73, MM73, Mat78,
 McC74, MB79, Miz76b, Moo79, Nan76, New75, Noo79, Pag78, Par72, Phi76,
 Poi76, Poi78, Pra76, PS78c, Pur75, Rad76, Ral71, Rip75, Rus77, Sam71,
 Sam75, Sam74, Sch78a, Sch78b, SM76, Sha72, Sha73, Smi78, Smi76]. **course**
 [SB74, SP70, Ste78, Sto78, Sto74b, SW79, Tha79, Thu79, TM74, TS75, UA76,
 Vic71b, Wak78, WW74, Wei73, Wil76a, Win78, Win77, Wol76b, Yel78, vdr79].
courses
 [AH72, ASW78, AHP77, ACEH76, Bra70, CGS75, Coo78, Ell73, Gin75, God73,
 Gri78, Han78, Hof78, JK77, Lov74, Men74, Mit79, Mou78, NR73, Rhe73,
 Rog78, Ros76, Sol78, SSL79, Sto74a, TT78a, TT78b, Wil76b, vDSMM74].
coursesr [Abb75b]. **creative** [Kay74]. **critical** [Bra70]. **critique** [CAO⁺76].
Crosse [WP78b]. **cryptosystem** [SP79]. **cryptosystems** [BB79]. **CS1**
 [Bow78]. **CSA** [Wil78]. **culminated** [Sch78b]. **Culture** [Sol76, Ros71].
CUPM [Rhe73]. **currency** [CH78]. **Current** [JRS78, Con75]. **Curricula**
 [Fai78, Kea75, Rin78, DAC⁺78, JBF76, LHL79, Oli73, Pow78a, Rub76, Sap75,
 Vic71a, Wal73, Wal74]. **curricula** [CK79]. **Curriculum**
 [ABB⁺77b, Eng71a, Eng74, Eng76, LSL⁺76, LAS⁺77, Lop78, SB74, SHLS79,
 AH72, AIS72, AM79, Ash73, Bal78, Ban78, Bar75b, BG76, Cla74, CAO⁺76,
 Cre78, Dal78a, DP79, Eng70a, EB72, EJ73, Fai74b, Ham79, HAB⁺76,
 HHD78, HBJ76, HA71, HT73, Hof79, JTF78, KH74, Lam78, Lev79, Lin78,
 LSA⁺76, MS77, Mat70b, MB76b, Mil75, MM78b, Miz76a, Mou76, Pag78,
 Pec75, Rot72, Rot78, Sch71, SR76, Som77, SG78, SW74b, Tho74, Tho75,
 Var79a, Wea78, Wor78, Bat74, CM75, Con73, DAB⁺79, DN76, EAAD79,
 GG73, LT74, LHL79, Lit74, LSA⁺76, Men74, WP78b].
D [Jor72, CC72, Mau71]. **D.P.** [Hug70]. **Dame** [Sch71]. **dans** [San78].
Dartmouth [GM79]. **Data** [Abb75a, Iye76, LHL79, Vic71a, AT77b, BP77,

BR79, Col79, Din74, GH78, Gum77, Hag76, IN76, Kea75, KS78, Lam78, LT78, MF79, Man74, Phi76, Rot78, Smi76, SB74, Ste78, TS75, Wes72, BM78]. **data-oriented** [Col79]. **data-processing** [Kea75]. **Database** [Dal78a, Pur75]. **Databases** [TT78a]. **date** [FAT78]. **Dayton** [Dal79]. **deaf** [BP77]. **debugging** [BBS75, HA71, Lem78a, Mat74, PP77]. **decision** [JW73]. **declarative** [Ada75]. **defined** [Nah79]. **definitions** [Nei77]. **Degenerate** [Ber09]. **Degree** [ACM72, Arc75, GM79, Gon78, HLEA79, HAB⁺76, Jon75b, MM78a, PE73, SW71]. **delivery** [Fre76a]. **demand** [Ham75b, Ham77, Lei77]. **democratic** [Whi72]. **demonstrate** [For73]. **demonstration** [KHKD78]. **demonstrations** [Lev76]. **Department** [MK74, AP71, AP70, Lav78, Sto74a]. **departments** [Ash73, Nie70a, Slo74, Vic71a]. **departments/curricula** [Vic71a]. **Depth** [Ano77, SSL79]. **Depth-first** [Ano77]. **describing** [Jac76b]. **Description** [Law74, Sam75, Cla76, FM78, FM79, Kol79, Lee72, Lin79, Mar76, McC74, Poi76]. **descriptions** [Mat70a, Nar70]. **Design** [Pol78, Wel76, Bau75, Cha74b, Col79, Co077a, Din77, EW72, Fre76b, Gra70, Gri78, Gyl78, Jon79, Ros76, Sal77, SG78, SS79, Var79b, Vis77, Vis78, Wak78, Whi77, WP78a]. **designed** [Bau70, Hug77, Mil75, Pal76]. **Detection** [Ott76]. **determining** [Nor74]. **developed** [Maz79]. **développement** [San78]. **Developing** [Maz77, Any78, Chv78, Lav78, Rob75, San78, SAK⁺78, Sto75]. **Development** [App79, MK72, May75, Sap75, Air76, BR79, Irb77, Pec77, Pum75, SB74, SHLS79, TMWD77, War75a]. **devices** [JK77]. **diagnostics** [DTW75]. **diagram** [KF76]. **diagrams** [BG74, Smi76]. **dialogue** [AP70]. **differential** [For73]. **difficulties** [Cha75]. **digit** [Car78]. **digit-Alice** [Car78]. **digital** [Cai75, Chu75, SS74, Vis77, WP78a]. **digraph** [Ano77]. **Dijkstra** [DS72]. **dimensions** [JRS78]. **Direct** [TT78a]. **directed** [Pow78b]. **directions** [SLC⁺74, YGM73]. **disc** [Mic76]. **disciplinary** [Rag76]. **discipline** [FJ78, LK76]. **disciplined** [CN76, Emb78, Fri75]. **disciplines** [God73]. **Discrete** [EJ73, Ber76, DRT75, Pra76, TM74, Wax75, YGM73]. **Discussion** [Ano76, BFC79, DAB⁺79, EAAD79, Ham79, HLEA79, Maz79, Met79, Mou79, PDS⁺79, Bon74, FBB⁺76, GKC⁺74, McF75]. **disk** [MHA78]. **display** [Che76b, Lev79, Lev76]. **Dissertation** [Bun71]. **distributing** [Eck76a]. **diversified** [Che76a]. **division** [BG76]. **do** [Abb77a, BB79, Mou79]. **do-it-yourself** [Abb77a]. **Documentation** [Bre76]. **Does** [Din75b, Maz76]. **doing** [PDS⁺79]. **down** [GG77, Hed72, Mar75, Pum75, Rag79, TB77, Wil72]. **dozen** [PS78b]. **DRAW** [Tho79]. **drill** [LK76]. **Dynamic** [Sch73, Kay74, Lev76]. **dynamically** [Whi77]. **dynamics** [HHD78, Mar72].

Eastern [Hag76]. **economics** [Phi76]. **Editorial** [BD74a, BD74b, Bon75]. **EDP** [Cab73]. **EDP-applications** [Cab73]. **Education** [Dal79, LHL79, AH78, Ano76, Any78, Arn78, AE72, Aus74, Bar76, Bol73, Bon74, BNS78, BS76, Cab73, Cai75, Cha74a, Chu75, Chv78, CAO⁺76, Der78, Des72, DG74, EDL70, Eng70b, Fai74a, FAT78, FJ78, Fre76c, FK73, GS76, GG73, Ham70, Han78, Har74, HA78, Hay74, HJ73, Hos73, Jac76a, Jeh74, JRS78, Kim78, KS76, Kom70, Lei72, Maz79, Moc78, Mod74, Mou74, Mou77,

Mou79, Mul76, Nie72, NT70, Noe73, Oli74, Pec77, PS78a, Poi76, Poi79, Pos79, PDS⁺79, Rob75, SI79, Shn71, SAK⁺78, TP72, Tho79, Var79a, Weg70, Weg71, Wei73, Wil76b, Zin70, deG72, MK74]. **Educational** [BP77, BKDH79, Cha78c, BJ76, Gla75, Jär77, Kay74, KP76, Lew76, LT78, Mic76, Mor77, Son78]. **educators** [Tay79]. **EDUSAC** [KP76]. **Effect** [MS77, EB72]. **effective** [Lev77, Rip75, UA76]. **effectiveness** [Lem78a, Var78]. **efficiency** [AT77b]. **effort** [War75a]. **efforts** [Zim71]. **electrical** [AP71, Slo74]. **elementary** [Fri75, FK76, MN76, Mou77, Tra74]. **elimination** [SR73]. **emergence** [Mat70b]. **emphasis** [MB79]. **emphasizes** [Bei72]. **encryption** [Ber09]. **enforcement** [Poi78]. **Engineering** [Fai78, AP71, AHP77, Bar75b, Bol73, DS75, Fre76c, Gon78, Hof78, Hof79, Jeh74, JRS78, JTF78, Par72, RH73, Rin78, Slo74, Son75, WZ73]. **engineers** [BC77, Dow74]. **English** [Kim77]. **Enhancing** [GS75]. **enough** [DP79]. **enrollment** [BC79]. **enseignement** [San78]. **entry** [LHL79, Wei77]. **entry-level** [Wei77]. **environment** [CMT74, EB72, FM79, Mei79, Mij78, PP77]. **environments** [BB76b]. **epsilon** [Bat73]. **equations** [For73]. **equilibria** [Mor72]. **error** [DTW75, McC78]. **essential** [Nan76]. **established** [Pow78a]. **Etc** [ACM72]. **Evaluating** [Shn77]. **evaluation** [Cla76, Fle74, FK79, Hag76, HA71, Noe73, Rad76, Wal74]. **even** [PW74]. **Evergreen** [Aik78b]. **Evolution** [RH73, Sem73]. **exam** [Fin70]. **Examination** [Ham75a, Cor70, Nie70b, Whi77]. **examinations** [For70a]. **example** [PW74, Pum75]. **examples** [Aik71a, Seb76]. **Exams** [Roo72, Aik71a, Ano70a, Ano70b, Ano71, For70b, Lio70, Mau71, McF75, Rei72]. **exchange** [Son78]. **Execution** [Bae75, KHKD78]. **Exercises** [Jor72, Rag76]. **Experience** [LT74, SP70, Sti73, TL79, Bar75a, BC77, Der78, Fri75, Iye76, Iye78, Mas73, Men74, PS78a, PL78, TB77, Wai79]. **Experiences** [Aik72, BT74, Bau79, GS76, GG73, GH79, Bra70]. **experiment** [Cha77, Mav76, SSL79]. **Experimental** [FK79, AC72, Din74, Hom77, KR72, KR76, PC76, Wil76a]. **explanatory** [NFB⁺78]. **extended** [Gum77]. **extensibility** [Gum77].

F [Jor72]. **faced** [Lav78]. **facilitate** [Hug77, Pal76]. **Facilities** [Ano76, Con75, MS77, Zim71]. **facility** [GS76, MHA78, Ran75]. **facing** [Rob75]. **Factionalism** [Lem78b]. **faculty** [BC79, Mor77, Rot75, Wai79]. **Failing** [Hug70]. **features** [FK79]. **February** [Dal79]. **federal** [Cur75, May75]. **Federighi** [Jor72]. **field** [OWE73]. **fifth** [Ing75, McF75]. **File** [Iye76, Ric75, MK73, Tha79]. **files** [Moo79]. **Final** [MK74]. **First** [FJ77, Ano77, FAT78, GG78, HM75, HGU79, Mat78, McC74, Moo79, PS78c, Ral71, SM76, Smo76b, SW79, Tho75, TM74]. **first-year** [Smo76b]. **fixed** [SP79]. **FJCC** [Hug70]. **flow** [KF76, OWE73, Smi76]. **flowcharting** [Bre77, Hos77]. **flowcharts** [HBJ76, JW73]. **foreign** [BP73, Cal71]. **formal** [Aik70, Har78]. **formulation** [MB77]. **FORTTRAN** [Bez75, FK76, FK77, Wag75, Coo76, Emb78, Gum77, LT76, Maz78, MH75,

NS76, PP77, Rad76, Ral71, Ros71]. **forward** [Mou74]. **Foundation** [BMOW76]. **Foundations** [Wei77, Hon75]. **four** [HT73]. **four-** [HT73]. **franca** [KH74]. **Francisco** [Haa78]. **Fraser** [SW74b]. **fraternalism** [Lem78b]. **free** [McC78]. **French** [San78]. **freshmen** [DS75, Kim77]. **function** [Kra72]. **functional** [Nei77, Sal76]. **fundamental** [FHSW78]. **fundamentals** [YGM73]. **funding** [HFL⁺78]. **further** [RD77]. **future** [SLC⁺74, deG72].

gambits [Bar78]. **games** [Der70]. **gaming** [BB76b]. **Gap** [Ega76, CD79, Web75]. **Gauss** [SR73]. **general** [Tra76, UA76]. **generalistic** [Kim78]. **generalized** [SB76]. **generating** [Pal76, Wak78, WA74]. **generation** [Mus76, Wei73, Wol76a]. **geographical** [Wes72]. **geometric** [MD76]. **given** [Sam75]. **goals** [Mou77]. **good** [LM76]. **government** [CAO⁺76, Pec77]. **GPSS** [Lam76, RD77]. **Grade** [New75]. **grading** [MM73]. **Graduate** [Ham75a, Tay79, Aik71b, BCS79, BC77, Cha78b, Fai74b, Gin75, GB73, Iye76, Iye78, Kal74, KK78, LI76, Mat78, Mij78, Pur75, Sch79, Smo76b, Weg70, Wei77]. **Graduates** [Haa78, Abb75a, Hom78]. **graph** [Hon73]. **graphical** [Jac76b, SS79]. **graphics** [Cor78, Dow74, MD76, Tho79]. **GRE** [McF75]. **Gries** [Bar75a]. **group** [CKP78, FK73, Moc78]. **guide** [Gin75, Shn77]. **guided** [Coo77a]. **guidelines** [DAC⁺78, LHL79, LAS⁺77]. **guiding** [CS77].

hacker [Har77]. **hand** [AP70]. **hands** [Aik78b, CL76, Lan75, WW74]. **hands-on** [CL76, Lan75, WW74]. **Hardware** [Cla74, Gla75, HFL⁺78, Fai74a, Hob78, PK74, Pos79, Sal77, WP78a]. **harmful** [DS72]. **health** [BL76, Lak76]. **heart** [GLO74]. **held** [Ing75, LR73]. **help** [MM73]. **helpful** [GCS77]. **hidden** [Sob76]. **hierarchical** [GH78]. **High** [Tho75, Aik72, BM75, FK73]. **High-school** [Tho75]. **Higher** [MK74, Sny70, deG72]. **hireable** [Cab73]. **historical** [Kim78]. **history** [Hom77, Rog78]. **HMS** [WW74]. **home** [WP78a]. **honor** [Bat73]. **human** [DKMS75, HWC75]. **Humanities** [Sam75]. **hybrid** [KPM74]. **hypothetical** [Rei71].

I/O [Bai72]. **ideal** [BNS78, SP74]. **ideas** [Kug75]. **IFTRAN** [Bez75]. **II** [Ker78]. **III** [MK74]. **IIT** [MB76a]. **Illinois** [LR73, KRFS79]. **image** [KL78]. **immediate** [TP72]. **Immigration** [Sha72, Sha73, Cha78b]. **Impact** [Bol73, CL76, Rhe73]. **Implementation** [Ban78, CKP78, HP76, Lop78, Rus77, Sap75, Sto77, Whi77, WP78b]. **Implementing** [MM78b, SR73, DAC⁺78]. **Implications** [Ash73, FK79, FAT78]. **improved** [CL76, Nel78]. **In-service** [Jac76a]. **including** [FAT78]. **Increasing** [Den79b]. **independent** [Bei73, Wol76a]. **index** [Var78]. **Indiana** [Man74]. **Individualized** [Gra78, KS74]. **individually** [Pal76]. **Inductive** [Dey73]. **Industrial** [Sch78b, DKMS75, HWC75, Kor70, WZ73]. **Industry**

[DG74, Bon74, CD79, CAO⁺76, Ega76, Ell73, God74, Kor70, Mil75, Web75]. **Industry/University** [Web75]. **inexpensive** [Dal78c]. **informal** [Abb75b]. **Information** [Kal74, Nei76, Ash73, BBS75, BS76, HT73, Map73, MK72, Mij78, SB74, SHLS79, Vaw76, Vic71b]. **informatique** [San78]. **Initial** [Eng74, Eng71b]. **Innovative** [Lew75, Sto75]. **Input** [Eng71a]. **instant** [Abb77a]. **Institute** [BP77, GG73]. **institution** [Ing75, Sto75]. **institutions** [Ano76, Cab73, Jon75a, MS76b, Sny70]. **instruction** [Bar78, Che76b, Con74, Eng71b, FHW73, Hed77, Jon75a, KRFS79, KS74, Lew74, Mar72, Pal76, SBS76, Sen74, SB76, Swi76, Wes72]. **Instructional** [KR76, Bai73, BB76a, DTW75, Eck78, FBB⁺76, FL76, JK77, Lam78, Lov75, Mil78, Pol78, Sal76, Sch73, WM74]. **instructionally** [UA76]. **instructors** [Shn77]. **instrumental** [TMWD77]. **Integrated** [SW79, HT73, MHA78]. **integration** [FJ78, HGU79, Men74]. **intelligence** [Fin70]. **Intelligent** [FBB⁺76]. **Interactive** [DTW75, SW74a, Tha79, Cor78, FL76, Gil76, Maz78, MS76a, Sjo76]. **interdisciplinary** [Agr76, Aik78b, HH73, Kru78]. **interest** [Ing75]. **interface** [NW74, WA74]. **intermediate** [TT78b, Win78]. **internal** [Lew77]. **internship** [BS76, Pow78b, SCM78]. **internships** [God74]. **interpreter** [BB76a, Lev78]. **Introducing** [Cou75, Gol71, HSW78, Men74, dC70, BC70, Rag79]. **Introduction** [SS74, Col79, Eck76b, PB77, Wak78]. **Introductory** [AH72, Che76c, Con74, Ros76, Sal73, AHP77, Bau79, BL76, Bra70, CGS75, Cha77, Che75, Con77, Coo76, Coo77b, DN75, Der70, EB79, ES78, FHW73, FM78, FK79, Gib77, Gri74, Jal78, Kha76, Kha77b, KH75, Kim78, Law74, Miz76b, New75, NR73, OR77, Pow79, Rog78, Sam74, Sch78a, Seb76, Shn77, Sjo76, Smi78, Smi76, Sol78, SP70, SSL79, TT78b, TS75, UA76, Wak78, Wei73, Win77, vDSMM74]. **involved** [AH78]. **IPI** [SS74]. **IPL** [Sch77]. **Island** [CMT74]. **Isolated** [Shu79]. **ISP** [Cou75]. **Israel** [Sny70]. **Iterations** [Mil78].

Jackson [Lew76, LI76]. **Jersey** [MK74]. **johny** [LL78]. **Joint** [Jeh74]. **Jose** [Nei76]. **Josephus** [Woo78]. **Jr** [Jor72]. **July** [LR73]. **Junior** [LHL79, LSL⁺76, LSA⁺76, Con73, LAS⁺77].

Kansas [Nel71]. **keep** [Bre77, FAT78]. **Kentucky** [Hag76]. **key** [BB79]. **keys** [Ber09]. **kit** [Ran75]. **KWILT** [Eck78].

laboratories [Hob78, HFL⁺78]. **Laboratory** [Jor72, Dal78d, Eck72, FS79, GS76, GG77, Hun70, Irb77, Kru78, MS77, MHA78, PS78c, RGH78, Sol79, Sta72, TMWD77]. **Language** [Gum77, Wel76, Aik70, AS78, Bas77, BT74, BP73, Bei73, Cal71, Cha74b, Dal78b, Dal78c, EB79, Eck78, FHW73, FK79, Har78, IE72, Kha77b, Lec74, McC74, MH75, MK73, Oli74, Sen74, Smi76, Som77, TL79, WM74, vDDD76, vdR79]. **languages** [Dey73, DFF⁺78, Din74, FK79, KR72, Law74, Lem79, Mav76, Pag78, Rei73, Sch73, SR76, Sol78]. **large**

[Che76b, CR70, MM73, Vic71b, WW74]. **large-scale** [CR70, WW74]. **Latin** [Mij78]. **latter** [Lem78b]. **law** [Kol79, Poi78]. **Leading** [Sol76, Har77]. **Learning** [BG74, Pee76, Swi76, HHP77, Sny70, Vaw76]. **lecture** [PS78c]. **lecture/laboratory** [PS78c]. **lectures** [DEN79a]. **left** [AP70]. **left-hand** [AP70]. **less** [Maz79]. **lesson** [AT76]. **lessons** [Cor78, SS79]. **level** [Aik71a, Fri75, Iye76, Iye78, Mou78, Nie70b, PB77, Vis77, Wei77, Wol76b]. **Liberal** [Kom70, ASW78, BNS78, Din75b, LR72, LR73, Mei79, Nan76, Rot72, Sap75, Smi78, Smi79, Wor78, Zim71, dC70]. **libraries** [KW78]. **Library** [Lov75]. **limited** [War75b]. **line** [Che76b]. **lingua** [KH74]. **LINUS** [WM74]. **list** [KP76]. **literacy** [Aik78b, ACEH76, CS77, Luc76, Nei77, Wai79]. **literature** [Gin75, Gol71]. **little** [vdR79]. **locked** [KPM74]. **logic** [Vis77]. **logical** [Vis77]. **long** [Cla79]. **long-term** [Cla79]. **look** [Pol72, Pra76]. **loops** [KPM74]. **low** [Nie70b]. **LSI** [Hob78].

M.S [AP71, Ber79, GB73, Hel73]. **Machine** [Som77, Wei73, AS78, Bei73, Din74, MS76a, NW74, Smi76]. **Machinery** [LAS⁺77]. **machines** [RJB71, SP74]. **Macrognosographics** [Bre77]. **macromodules** [EW72]. **maintenance** [Bei79]. **major** [Sap75]. **majors** [Coo77b, Dav77, Gib77, Lov72, Oml78, Sam74]. **make** [Kug75]. **Making** [Miz76a, HA78, Whi72]. **man** [NW74, Pow78b]. **man-machine** [NW74]. **Management** [Iye76, BCS79, Dal78a, GH78, LT78, Pur75, Var78, Var79a]. **managers** [Des72]. **manipulation** [Fin70]. **manpower** [Air76, Ham75b, Ham77]. **maps** [Var79b]. **mass** [Bar76, Wei73]. **Master** [MK74, GM79, Hof79, KK78, MM78a, Nei76, Web75]. **Masters** [Ham79]. **materials** [Sha73]. **mathematical** [CC72, Dav77, Lov74, RJB71]. **mathematics** [Arc75, FGH⁺70, Gin75, NT70, Pee76, Rhe73, SB76]. **Maximal** [TL79]. **measurement** [Cla76, Noe73]. **Meditations** [Smo76a]. **medium** [Kay74]. **members** [Mor77]. **merging** [MM78b]. **messages** [BB79, SP79]. **metaphors** [Mou77]. **method** [Mil78, Wu74]. **Methodology** [OR77]. **Methods** [Ger75, Dey73, Fle74, Wil76a]. **Mexico** [Gon78]. **Microcomputer** [Coo78, Lev79, Hom77, Sol79]. **Microcomputers** [Wea78, Bow78, Wea79]. **microfiche** [Bei74]. **microprocessor** [Irb77]. **Microprocessors** [Lin78]. **microprogrammed** [Vis78]. **mini** [MH75, Sto78]. **mini-language** [MH75]. **Minicomputer** [Lew74, Sto77, MT73, TL79, WP77]. **minimal** [TL79]. **minor** [Lin79, Son75]. **minority** [Ano76, Ing75, Jon75a, Lew75, Lew76]. **mirror** [GG73]. **MISS** [SBS76]. **mixed** [MS76a]. **mode** [WA74]. **Model** [Fai78, Hed72, Mus76, Pow78a, Sal76]. **Modeling** [LK76]. **Modelling** [Pos79, BB76b]. **models** [KS76, MM78b, Sch73]. **modified** [PW75a]. **modular** [Ros76]. **module** [Swi76]. **monitor** [IN76]. **monitors** [Boy76]. **Motivating** [DS75]. **motivational** [Beu75]. **motor** [KPM74]. **moves** [Mou74]. **MST** [MB76a]. **much** [DP79, Sob76]. **Multi** [Rag76]. **Multi-disciplinary** [Rag76]. **multifaceted** [MK72]. **multimedia** [Han78]. **multiprogramming** [Bau76, WP77]. **MUSIC** [CJPT77]. **my** [Ham75c].

N [Jor72, Tho79]. **nation** [Any78]. **National** [BMOW76, Bat73, BKDH79]. **nations** [Rob75]. **Native** [Rot78]. **natural** [Cab73, Fre76a]. **Naval** [Wu74]. **near** [Har77]. **Nebraska** [NW78]. **Need** [Jon75a, CM75, Mou79, Oli73]. **Needs** [Fre76c, CAO⁺76, God74, Rin78, Sch78b, Sta72, Wai79]. **Network** [Nie70a, BJ76, Hon73, Lew76]. **Newtruck** [Cla79]. **Nirvana** [Cur75]. **non** [Coo77b, Eck76b]. **non-majors** [Coo77b]. **non-programming** [Eck76b]. **notations** [Cou75]. **note** [Jal78, RD77]. **Notes** [Jär77, McF75, BD74a, BD74b, Bon75]. **Notre** [Sch71]. **NSF** [Lew76]. **Numerical** [Ort74, Cor78, Gin75].

O [Bai72]. **objectives** [Fre76c, Kei76, Bal78]. **observations** [Aik72, Tra76]. **obtain** [HFL⁺78]. **offering** [Ell73]. **offerings** [Con75]. **Ohio** [Dal79]. **Oklahoma** [Hed77]. **OLGA** [TL79]. **olin** [KR76]. **Olympia** [Aik78b]. **On-line** [Che76b]. **One** [Har77, Bar75a, SW74b]. **one-quarter** [Bar75a]. **Only** [PS78b]. **open** [CMT74]. **Operating** [Cou77, Bau75, CKP78, CD79, Dal78c, Dun74, GG77, Gyl78, HP76, JK77, Lam76, Mac74, PW75a, RD77, Rus77, Tra74, WH73, WP77]. **operational** [Cab73]. **operations** [MPS78]. **Opinions** [Mou78]. **opportunities** [BP77]. **option** [WZ73]. **ORACLE** [HHP77]. **oral** [Cal71]. **Oregon** [Mou74]. **organization** [Bei73, Den70, Din74, MM73, PK74, Tha79]. **organizations** [Sch73]. **oriented** [BCS79, Che76c, Col79, Con77, DFF⁺78, Gla75, Hon75, Jon75b, Mas73, Mic76, Mil75, PB74, Pow79, Sal77, Sen74, SI79, Tha79, Fai74b]. **other** [God73]. **Ouchless** [Bai72]. **outline** [Hof74]. **outlines** [Cav75]. **overlooked** [FK73]. **overview** [ES78, Mor76].

Pace [Var79a]. **paced** [Coo76, Lin76, Pal76]. **package** [BC70, Rag79, Tho79]. **Packing** [Fre76b]. **paging** [Lei77]. **Panel** [Ano76, BFC79, DAB⁺79, EAAD79, FBB⁺76, GKC⁺74, Ham79, HLEA79, Maz79, Met79, Mou79, PDS⁺79, ACEH76, Bon74, Chu75, McF75]. **paper** [LHL79, LAS⁺77, Ric75, Sol78, Sto74b]. **papers** [Dal79]. **paradigm** [BB76b]. **parallel** [Kon75]. **parameters** [OWE73]. **parametric** [WH73]. **part** [DKMS75, HWC75]. **partial** [Har77]. **parts** [Bau76]. **PASCAL** [Bau79, TT78b, Lec74]. **pays** [San78]. **PDP** [TL79]. **PDP-11** [TL79]. **pedagogic** [FK76]. **pedagogical** [Fle74, Hed72, Rei73, SR76]. **pedagogy** [Sen74]. **perfect** [Nor74]. **performance** [CGS75, Nie70b]. **personal** [Vaw76]. **personalized** [KW78]. **perspective** [NW78]. **Ph** [CC72, Mau71]. **PH.D** [Dep73, Wil72, Cal71, Tra76]. **Ph.D.** [Cla74, Cor70, Fin70, For70a]. **phase** [KPM74, MK74]. **phase-locked-loops** [KPM74]. **philosophy** [Ham75c, MK73]. **pi** [Bat73]. **pilot** [Dal77]. **Pitt** [Yel78]. **PL** [AIS72, AT77a, ES78, HW74, Lev77, NS76]. **PL/1** [ES78]. **PL/I** [AIS72, AT77a, HW74, Lev77, NS76]. **place** [Bei77]. **Plagiarism** [Ott76]. **Plan** [MK74]. **Planned** [Luc76]. **Planning** [Bar75a, Jär77, MB76b]. **plea** [Lem78b]. **PMS** [Cou75]. **point** [Cab73]. **pointer** [Gum77]. **pointers**

[CN76]. **policy** [Whi72]. **policy-making** [Whi72]. **political** [Ste72, Swi76]. **Polytechnic** [GG73]. **poor** [Pow78b]. **POPSS** [Cou77, WH73]. **portability** [NW78]. **Position** [Lov74, Ort74, Ric75, Sol78, Sto74b]. **post** [MS76a]. **power** [Eck76a]. **Practical** [TB77, Men74]. **practice** [Cha78a, FHSW78, Lev77, LK76, SW79]. **practicing** [FAT78]. **Practicum** [LT75, Web75, Ell75]. **practitioners** [Hof79]. **pragmatic** [FM78, FM79, WP78b]. **pragmatically** [Jon75b]. **pre** [Mou74]. **pre-college** [Mou74]. **precollege** [Mou78, Mou79, PDS⁺79]. **Predicting** [CGS75]. **predictions** [New75]. **predominantly** [MS76b]. **preferences** [Maz76]. **prejudices** [Ham75c]. **prelim** [Mau71]. **Preliminary** [BKDH79, Ham79]. **preparation** [Arn78, Atc73]. **preprocessed** [Dal78b]. **present** [DMH⁺77]. **presented** [McF75]. **presenting** [Tra74]. **Prevention** [Ott76]. **Principles** [Den70, Noo79, Sch78a]. **privacy** [Hof74]. **probabilities** [Vaw76]. **Problem** [Der70, MB77, Weg71, AC72, CM75, FK77, Pec77, PB77, Sen74, Woo78, HGU79]. **problem-solving** [CM75]. **Problems** [Aik71a, Ano70a, Ano70b, Ano71, For70b, Lav78, Lio70, Poi79, Rei72, Rog78, Roo72, BS76, Gra70, Rob75, TP72]. **procedure** [Lev77]. **procedures** [Den79b]. **proceedings** [Lit77]. **Process** [HGU79]. **Processing** [ACM72, Abb75a, BP77, BR79, Hag76, HT73, Kea75, KP76, KS78, Man74, MK72, Phi76, Rot78, Wes72]. **processor** [Bei73]. **Produce** [Bae75]. **production** [TB77, Tra76]. **profession** [Mil73]. **professional** [Aus74, BR79, Fre76a, JRS78, MM78a, PE73]. **Professionalism** [Aik71b]. **professionals** [Har74]. **professors** [Kor70]. **Profile** [Kal74, DAB⁺79]. **Program** [AT77b, LSL⁺76, Lov75, NW78, Nei76, Wel76, AP71, Aik71a, ABB⁺77b, Bau70, Bei79, BCS79, BR79, Ber79, CC72, Che76a, Cla74, Col79, Dep73, FJ78, GM79, Ger75, Gil76, Hag76, Ham79, Hel73, Hom78, Hon75, Iye76, Iye78, Jon75b, JW78, KHKD78, Lak76, LL78, LI76, LAS⁺77, MM78a, MK72, Mat70a, Mau77, MB76a, Mij78, Nar70, PB73, PB74, PC76, Rag79, RH73, Rhe73, RGH78, Sal77, Sap75, SCM78, Sem73, SW71, Tch75, Var79b, War75a, War75b, Web73, Wil72]. **programme** [CR70]. **programmed** [Boy76]. **Programmer** [Bar76, PW75a, DS72]. **programmers** [Cab73, FAT78, JW78, MB77, Sam71]. **Programming** [JW73, KP74, Ker78, Lev78, Oli74, PW75b, Sol78, Woo78, Ada75, Aik71a, Aik72, AHP77, AT76, Bai73, Bar75a, Bar78, Bas77, BT74, Bei73, Bei77, Bei74, Bez75, CN76, Cha74b, Cha78a, Che76c, CD79, Con74, Coo76, Coo77a, Coo78, CL76, Dal78c, DEN79a, DN75, DTW75, Der70, Dey73, DFF⁺78, Din74, DMH⁺77, Eck76b, Ell75, Emb78, ES78, FHW73, FM79, Fri75, FK76, FK77, FK79, Gra70, GKC⁺74, Gri74, HSW78, Hon73, Hug77, IE72, Iye78, Jal78, Kei76, Kha76, Kha77a, KR72, Kim77, Kon75, Lan75, Law74, Lec74, Lem78a, Lem79, LAS⁺77, Lov72, LM76, Mac79, Mac74, MF79, Mav76, McC78, Miz76b, New75, Noo79, Oml78, Pag78, PW74, PS78c, Rag76, Rag79, Rei73, Rip75, Sal73, Sch78a, Sch73, Seb76, SW74a, Shn77, SS74, Smi76]. **programming** [Som77, Tay77, Tro79, Wag75, WW74, Wei73, Wei78, Wil76a, vDSMM74, vDDDN76, AM79, LSL⁺76]. **Programs**

[Bae75, ACM72, Ano76, BMOW76, Cur75, DP79, God74, HLEA79, HAB⁺76, JRS78, Kea75, Man74, Mei77, Pee76, Pow78a, Sal76, Sch79, Zel72]. **progress** [Boy76, DEN79a, LL78]. **project** [Cla79, Cla76, CKP78, Dal77, KS78, Lev78, Lin76, Mac74, PW75a, PS78a, PL78, Pow78b, Rus77, Ste72, Tha79, Vis78, Yel78, vdR79]. **project-oriented** [Tha79]. **Projects** [Roo72, Aik71a, Ano70a, Ano70b, Ano71, Cre78, For70b, KR79, Kru78, Lio70, Moc78, Rei72, Seb76]. **promoting** [Aik78a]. **Proofs** [Har78]. **proper** [WP78a]. **proposal** [BKDH79, Lin79, Map73]. **proposals** [Eck76a]. **Proposed** [Arc75, Sam71, CAO⁺76, Hof79, JTF78, Pec75, Phi76]. **prose** [JW73]. **prospective** [God75]. **prospects** [deG72]. **Provide** [Hug70]. **Providing** [Wes72]. **pseudo** [Sjo76]. **pseudo-assembler** [Sjo76]. **PSI** [Mod74]. **Public** [KRFS79, BB79, God75, Man74]. **publishers** [Shn77]. **Purdue** [AM79]. **purpose** [Eck78, Lee72]. **purposes** [CJPT77]. **pyramid** [Eps75].

qualifying [Fin70, For70a, Nie70b]. **quarter** [Bar75a, LT74]. **quasi** [FL76, Bal78]. **Quasi-Behavioral** [Bal78]. **quasi-interactive** [FL76]. **question** [Wol76a]. **questions** [Fin70]. **QUICK** [FL76]. **QUILT** [Eck78].

rationale [ES78, FM78, FM79, Lee72]. **Re** [HA71, Sch77]. **Re-evaluation** [HA71]. **RE-IPL** [Sch77]. **reaction** [Bon74, DG74]. **Reading** [Kim79, LT76]. **Real** [Kru78]. **Real-time** [Kru78]. **Realism** [Fre76b]. **realistic** [Arn78, BS76]. **rearview** [GG73]. **reason** [Bre77]. **reasons** [Nei77]. **recommendation** [Kea75]. **Recommendations** [Dun74, HAB⁺76, ABB⁺77b, Ban78, Ham79, LSA⁺76, LAS⁺77, Rhe73, Wor78]. **Recommended** [Dav77, SLC⁺74]. **reconsidered** [Che76c]. **Record** [Ham75a]. **recruiting** [BC79]. **recursion** [Ano77, AT76, BG74, Jac76b]. **Recursive** [Kim77, Kra72, Pee76]. **redistricting** [Ste72]. **Reflections** [Wax75]. **regional** [Mod73]. **Reilly** [Jor72]. **related** [Der70, JRS78, Lei72]. **Relating** [God74]. **relationship** [Aik70]. **Relevance** [CAO⁺76, Aik71b, Shn71]. **relevant** [Miz76a]. **Remarks** [Sch71]. **remedial** [Din77, Tay79]. **Remote** [deG72]. **Repackaging** [EB79]. **replaceable** [Bau76]. **reply** [Kor75]. **Report** [Cai75, Hug70, Ing75, LSL⁺76, Lit77, ABB⁺77b, BFC79, DEN79a, Eng71b, Eng74, Han78, LR73, LL78, LSA⁺76, MK74, Wak78, Wil78]. **Representations** [Bae75]. **requirement** [Cal71]. **Requirements** [DP79, Arc75, Miz76a, Zel72]. **requisites** [SI79]. **research** [Kay74]. **resources** [DKMS75, HWC75, War75b]. **responsibilities** [Des72]. **responsibility** [Kay74, Nie72]. **Results** [Kra72, FAT78]. **returning** [Dal77]. **Review** [Jor72, Kea75, SS79]. **reviewing** [Pow78a]. **revision** [Eng74, Eng76]. **revolution** [Hob78]. **Riedinger** [Jor72]. **Rivest** [BB79, SP79]. **Rochester** [BP77]. **role** [Aus74, Ell73, Fai74a, Har74, Hos73, Maz79, Pag78]. **roots** [Wei78]. **RSA** [Ber09]. **rural** [Shu79].

sabbaticals [Kor70]. **SAM** [Cav75]. **SAMOS** [GS75]. **Sample** [Mac79].
San [Haa78, Nei76]. **Saudi** [Air76]. **scale** [CR70, WW74]. **schedule** [Sha73].
Schenectady [Jor72]. **school** [Aik72, Atc73, BM75, BFC79, CS77, FK73, God75, KH75, MN76, Mus76, NT70, NFB⁺78, Poi79, Tho75, Wol76b].
schools [Cha74a, Mou77, Shu79, KRFS79]. **Science** [Abb75a, BMOW76, CM75, CMT74, Dal79, God74, GH79, Haa78, HBJ76, Jor72, Kal74, LT75, MK74, Nei76, PB74, Sam75, ACM72, War75b, Abb75b, Abs78, AH72, AIS72, Agr76, Aik71b, AC72, Ano76, Any78, Arc75, AP70, Ash73, Atc73, AE72, Aus74, ABB⁺77b, BC79, Bar75b, BP73, Bat73, BM75, BG76, Ber79, Beu75, Bon74, BNS78, BC70, BS76, BFC79, CK79, Car78, CC72, Cha74a, Cha77, Cha78b, Che76a, Chv78, Cla79, Cla74, Con77, CAO⁺76, Co077b, CR70, Cur75, Dal77, Dav77, DP79, Dep73, Der78, Des72, Din75b, DG74, EG76, Eck72, Ega76, EDL70, Eng70b, Eng70a, Eng71b, EB72, EJ73, Fai74a, FAT78, Fle74, FHSW78, FGH⁺70, For70a, FJ78, FK73, FJ77, Gib77, GLO74, God73, Gol71, GS76, GG73, GB73, Gra78, Gro75, Ham75a, Ham79, HLEA79].
science [Ham70, HAB⁺76, Ham75c, Han78, HM75, Har74, Hay74, HA71, Hel73, Hob78, Hom78, Hon75, Hos73, Hun70, Iye76, Iye78, Jac76a, Jeh74, JBF76, JRS78, Jon75b, KK78, Ker78, KL78, Kim78, KH74, KS74, LR72, LR73, Lav78, Lev79, Lev76, Lew76, LI76, Lin78, Lin79, Lov74, Lov72, Lus77, MF79, MM78a, MS77, Mal72, MK72, Mat78, Mat70b, Maz79, Mei79, MB76a, MB79, MM78b, Moc78, Mod73, Mod74, Moo70, Mou76, MN76, Mou78, Nah79, Nan76, New73, Nie70a, Nie70b, NR73, OR77, Oli73, Oml78, Pag78, PS78a, PE73, PB73, PB77, Poi76, Pol78, Pos79, Pow79, RH73, Ral71, Rin78, RGH78, Rob75, Ros76, Rot72, Rub76, Sal77, Sam74, San78, Sch78a, Sch79, Sch77, Sch71, Sem73, Sha72, Sha73, Shn71, Sjo76, Smi78, SR76, Smi79].
science [Smo76b, Sny70, Sol79, Som77, Son75, Son78, SG78, Sta72, SP70, SAK⁺78, SW74b, Sti73, Sto74a, SW71, SW79, TP72, Tch75, TT78b, Tho74, Tho75, Tra76, TM74, Vic71a, Wal73, Wal74, War75a, Wea78, Wea79, WZ73, Weg70, Weg71, Wei77, Wil76b, WP78a, Win77, Wor78, YGM73, Yel78, Eng71a, Nei76, Pec75]. **science/systems** [MF79]. **sciences** [ABB⁺77b, BL76, GS76, Lak76, Lei72, LAS⁺77, Oli74]. **scientist** [Kay74].
scientists [Car78, Ham74, SI79]. **scored** [Boy76]. **screen** [Che76b]. **search** [Cor78]. **second** [HSW78, Ker78, MB79, Noo79, Pol72, Yel78]. **Secondary** [Mus76, Atc73, BFC79, NT70, PC76, Poi79, Wol76b]. **security** [Hof74].
Selecting [SR76]. **selection** [Sto77]. **Self** [Fre76a, Co076, Lin76, NFB⁺78].
Self-assessment [Fre76a]. **self-explanatory** [NFB⁺78]. **self-paced** [Coo76, Lin76]. **semester** [ES78, Tho75]. **seminar** [AC72, Ell75, Nel71].
seminars [Fle74]. **senior** [Aik71a]. **separate** [EB79, GS76]. **Separation** [FHW73]. **sequence** [ASW78, ES78, HW74, Pow79]. **Service** [Sto74b, AH72, Bra70, God73, Jac76a, MM73, Mit79, Poi78, Rad76, Sto74a].
services [Lew75, Sto75]. **session** [ACEH76, Chu75, Ing75, Jeh74, Zin70].
Setting [Hon75, TB77]. **sexual** [Maz76]. **Shamir** [BB79, SP79]. **shear** [OWE73]. **short** [Ell73]. **should** [Gri74, HM75, HFL⁺78]. **show** [Har78].
side [AP70]. **SIGCSE**

[Dal79, Bon74, Hug70, Ing75, Lit77, McF75, Pol72, Wil78]. **SIGCSE/CSA** [Wil78]. **Simon** [SW74b]. **simple** [Bar78, BT74, Lev77, Pum75]. **simulated** [CJPT77]. **Simulation** [PL78, Aik72, JK77, KPM74]. **Simulator** [Gla75, AS78, Bei72, Lei77, MS76a, PK74, WH73]. **simulators** [SW74a, SP74]. **single** [Lev79]. **'Sister** [Aik78a]. **six** [MS76b]. **SJCC** [Zin70]. **slides** [MPS78]. **Small** [Gri78, AE72, CK79, Cha78a, DRT75, Din75a, Eng70b, Eng71b, FJ77, MHA78, Smi79, Weg71, Zim71, dC70]. **Social** [Nie72, Sam75, Shn71]. **socialization** [Swi76]. **societies** [Aus74]. **society** [ACEH76, Bat73, Dal76, HH73, Lee72]. **Software** [Bar75b, Bat74, Fai78, Fre76c, KR79, PB74, AHP77, BM78, Din77, Gra70, Hof78, Hof79, Irb77, JTF78, MB79, Par72, Sal77, Sob76, Son78, TB77, TMWD77]. **solution** [Har77]. **solutions** [Gra70, Poi79]. **solve** [Pec77]. **Solving** [HGU79, CM75, FK77, PB77]. **Some** [Eck76a, Fai74a, FK76, Hos73, Nei77, Noo79, Tra76, Web73, Weg70, Aik71a, Bra70, Cha75, TP72]. **something** [Har78]. **sorting** [MB76b]. **soup** [Mod74]. **Space** [Zel72]. **special** [Eck78, Ing75]. **specialization** [AP71]. **specification** [Bal78, Mei77]. **Speech** [SBS76]. **speed** [KPM74]. **spread** [Wes72]. **Squanderland** [Car78]. **squares** [Nor74]. **staffing** [DKMS75, HWC75]. **stand** [Bow78]. **stand-alone** [Bow78]. **Standards** [GCS77, Bre76]. **Stanford** [For70a]. **Starter** [Ran75]. **State** [Aik78b, GG73, Hed77, Lew76, LI76, Nei76, Nel71, HT73, Man74, Pec77, Fin70]. **statement** [Lov74]. **Staten** [CMT74]. **States** [Ham75b, Ham77]. **Statistical** [OWE73]. **Statistics** [Ham74, Wol76b]. **Status** [HLEA79]. **stepwise** [Seb76]. **storage** [AT77a, MHA78]. **strategy** [Kha77b]. **Structure** [God73, Mil73, Pal76, Pos79, Thu79, Var79b, Web73, Yel78]. **Structured** [Kon75, Lec74, Lev78, Miz76b, Oml78, Wag75, vDDDN76, AT76, Bar75a, BT74, Bei77, Bez75, Cha74b, CL76, Ell75, FK76, FK77, GKC⁺74, HBJ76, HW74, Hug77, Jal78, Kei76, Kha76, Kha77a, Lev77, MH75, PB77, PW74, TB77, Wei78, Win77, WM74]. **Structures** [Iye76, AT77b, Ber76, DRT75, Din74, EJ73, Eps75, MF79, Pra76, Ric75, SB74, TM74, TS75, Wax75, YGM73, BM78]. **Student** [Bai73, MM73, Wil73, Arn78, Bau70, Boy76, BB76b, CKP78, DAB⁺79, DP79, GH78, Har77, Hon73, Lin76, LK76, Mas73, Mil75, RD77, SCM78, Sch77, Smo76b, Ste72]. **student-computer** [Hon73]. **student-designed** [Bau70]. **student-operating** [RD77]. **student-oriented** [Mas73]. **student-use** [GH78]. **Students** [Rot75, Aik72, Bre76, CGS75, Dal77, DEN79a, DN75, DS75, Gol71, Mat78, NW78, PC76, Rot78, SW74a, Shn77, Smi78, Son75, Ste78, Wei77, Wes72]. **studies** [DAC⁺78, Lei72]. **studies-implementing** [DAC⁺78]. **study** [Agr76, Aik71b, GG78, KR72, Mor72, RD77, Wol76a]. **studying** [HP76]. **Style** [KP74, Fre76b, Smo76a]. **Sub** [LSA⁺76, LAS⁺77]. **Sub-Committee** [LSA⁺76]. **Subcommittee** [LHL79]. **subjectively** [Nah79]. **subsets** [HW74]. **substitute** [BP73]. **subsystems** [Thu79]. **successful** [SCM78]. **suggested** [Sap75]. **suggestion** [Sch77]. **supply** [Cab73, Ham75b, Ham77].

support [Ano76]. **supported** [Jon75a, Mor72]. **survey** [Abb75b, Che75, FAT78, FJ77, Hof78, Hom78, Lem79, Rei73, Rub76, Sch79, Wai79, Wal73, vDSMM74]. **Syllabi** [For70a]. **Syllabus** [Nie70b, Cor70]. **symbol** [Fin70]. **Symbolic** [CC72]. **Symposium** [Dal79, Ing75, McF75, Pol72, Wil78]. **syndrome** [Har77]. **syntax** [BG74, Hed72]. **synthesis** [SBS76]. **system** [Bau75, Bau76, Che76b, Chu75, CKP78, Dal78c, DTW75, Den70, DFF⁺78, FL76, Fre76a, GH78, Gil76, Gri78, GG77, Hon73, KP76, KF76, Lam78, LT74, LT78, Mar72, Mic76, Pal76, RD77, SBS76, SB76, Tra74, Vic71b, Vis78, Wak78, WH73, WW74, WA74, WP77]. **Systematic** [Bar78]. **Systems** [Bae75, EDL70, SG78, Ash73, BCS79, BS76, Cai75, Cha78a, Cla74, Cla76, CD79, CL76, Cou77, Dun74, FBB⁺76, Gra70, Gri78, Gyl78, HP76, Jär77, JK77, Lam76, Lan75, Mac74, MF79, Map73, MT73, Mau71, Mij78, Mor76, Pec77, PW75a, Roo72, Rot75, Rus77, Sam74, SHLS79, TMWD77, Vis77, WW74, Win78]. **Számok** [Bar76].

Tab [Wel76]. **tables** [JW73]. **tailored** [Whi77]. **tasks** [Nei77]. **teach** [Bei74, Gri74, Lam76, MPS78, Vis77, Vis78, Wea79]. **Teacher** [HJ73, Moc78, BM75, Poi76]. **Teacher-training** [Moc78]. **teachers** [Abs78, Atc73, BFC79, FK73, Jac76a, Mal72, Mar76, McG73, MN76, Mou78, Mou79, NT70, Shu79]. **Teaching** [Ada75, App79, Bez75, CMT74, EW72, Emb78, FK77, Gra70, Gyl78, Irb77, Jon79, Lem79, LT78, Lov79, LM76, Mar76, Mat74, McC78, NS76, PW74, PK74, Sal77, SP74, Tay77, Var79b, Wol76b, Aik72, BM78, BC77, CJPT77, Car78, CN76, CM75, Cha74b, CL76, Dal78d, DEN79a, Dey73, Eps75, Fri75, FK76, Ger75, GS76, Hon73, Hun70, IE72, Jal78, Kha77b, KF76, Lan75, Lec74, Lem78a, Lev77, Luc76, MF79, Mau77, Mav76, MD76, MH75, MK73, New73, NW74, OR77, Rad76, Rog78, RJB71, San78, SM76, Sha73, TT78b, Wu74, YGM73]. **teaching-machine** [NW74]. **Team** [Cre78, HHD78, PW75a, KR79, KS78, Lem78a]. **Technical** [Dal79, HT73, McF75, Pol72, Wil78]. **technique** [Jac76b]. **Techniques** [Abs78, TT78a, Bei72, Cla76, Fle74, LM76, New73, Par72]. **Technological** [Whi72, Sam71]. **technology** [Aik78a, BL76, Maz79, BP77, MK74]. **television** [Bai73, Dal76]. **ten** [Sch78a]. **tenth** [Dal79]. **term** [Cla79]. **terminal** [Gla75, PW75b]. **test** [Boy76, Mus76, Pal76]. **testing** [Tro79]. **text** [Wol76a]. **textbook** [Nel78]. **textbooks** [Shn77]. **their** [FAT78]. **them** [Shu79]. **theoretical** [Gra78]. **theory** [Aik70, FHSW78, Har78, HSW78, Hon73, Swi76, SW79, Vaw76]. **Thermodynamics** [Wu74]. **thought** [Kay74]. **thoughts** [Aik71a, Fai74a, Nei77, Web73, Weg70]. **Three** [Mas73, Lit77]. **TI980A** [Bau75]. **TICCIT** [Mor76]. **time** [Kru78]. **tool** [BM78, HHP77, HP76, Hug77, Lev77, MB76b, TT78b]. **tools** [FM79, Pol78, SR76]. **top** [GG77, Hed72, Pum75, Rag79, TB77]. **top-down** [GG77, Hed72, Pum75, Rag79, TB77]. **topics** [Dav77]. **Topological** [MB76b]. **Toronto** [Cor70]. **Trace** [BBS75]. **track** [SW74b]. **traditional** [FJ78]. **Training**

[Mor77, Dal77, HJ73, Lak76, McG73, Moc78, Pec77, Rot75, Tay79, Wil76b]. **transfer** [Aik78a, Maz79, Mil75]. **transformations** [MD76]. **translator** [Kra72]. **translators** [Cal78]. **transparencies** [Bei74]. **traveling** [Nel71]. **traversal** [Den79b]. **tree** [Den79b]. **trends** [JRS78]. **trigonometry** [SS79]. **Turning** [Sch77, MS76a]. **turning/post/mixed** [MS76a]. **tutor** [DN75, NW74, Lin76]. **tutorial** [SS79, Wu74]. **tutorials** [Lit77]. **tutoring** [BB76b]. **TV** [EG76]. **Two** [Bae75, DAC⁺78, AM79, BG76, Cab73, Con75, ES78, HT73, Kea75, MM78b, Pec75, PB73, Sti73]. **two-** [HT73]. **two-semester** [ES78]. **two-year** [Cab73, Con75, Kea75, Pec75]. **types** [Gum77].

U.S. [Slo74, Wu74]. **U302** [Roo72]. **Undergraduate** [Ham70, Hay74, TP72, ABB⁺77b, Bau70, Cha75, Che76a, Cla76, CR70, Cre78, Dal78a, DP79, Der78, Dow74, Eng70a, EJ73, FS79, Gin75, Gri78, HAB⁺76, HHD78, HBJ76, Hom78, Lam78, Lov72, Lus77, Man74, MK72, PS78a, Rhe73, Rus77, Sam74, Sap75, Sch77, Som77, SB74]. **undevelopment** [Tch75]. **unfort** [Emb78]. **unifies** [FHSW78]. **unique** [LI76]. **United** [Ham75b, Ham77]. **Universal** [SP79, SP70, SW74b]. **Universities** [Hug70, Chv78, JBF76, Lew76, Man74]. **University** [AM79, Eck76a, Fin70, Hay74, Lew76, LI76, MS76b, Noe73, AP70, BG76, CGS75, Ega76, Mod73, Pec77, SB76, Var78, Cor70, For70a, GG73, Haa78, Hag76, Hed77, Hun70, NW78, Nei76, Nel71, Var79a, Web75, WP78b]. **up-to-date** [FAT78]. **update** [CAO⁺76, Ham77]. **updating** [Sam71]. **upgrade** [Oli73]. **upper** [BG76]. **upside** [Wil72]. **Upsilon** [Bat73]. **usage** [Oli74, PC76, Wai79]. **Use** [For73, HBJ76, Pow78a, Bau75, Bau76, Bei74, CN76, GH78, Gla75, Han78, Kra72, Maz78, McG73, Pal76, Pol78, Smi76, TT78b, Tra74, Var78, Vaw76, WM74]. **user** [BJ76, Che76c]. **user-oriented** [Che76c]. **uses** [KS76, KR76, Mor77]. **Using** [Lam76, Lam78, Lev79, MPS78, Wea79, Wor78, Bar75a, Co077a, EW72, ES78, FK76, Irb77, Kei76, LT78, Lov79, MHA78, RD77, WW74]. **utility** [JK77]. **utilization** [Coo78, DKMS75, HWC75]. **utilize** [Shu79]. **utilizing** [Mil78]. **UW** [GS76].

V [HP76]. **VACS** [Gro75]. **valuable** [Mod74]. **variables** [Gum77]. **variety** [Mor76]. **vehicle** [PL78]. **verification** [Ger75, JW78]. **versus** [Lem78b]. **via** [Emb78]. **Video** [Gro75, Mic76]. **view** [Con73, Mar75]. **Virginia** [GG73]. **Visiting** [Kor70]. **Visual** [KHKD78, SW74a]. **voie** [San78]. **vs** [Cal78, Pec77].

want [Mou79]. **Washington** [Aik78b, Hun70]. **Waxman** [Kor75]. **way** [DMH⁺77]. **Wegner** [DS72]. **Western** [Moc78]. **Wheaton** [LR73, LR73]. **which** [Bae75, Bei72]. **while** [Luc76]. **Whither** [Hos77]. **who** [Shu79]. **wide** [Wes72]. **Wisconsin** [WP78b, BFC79]. **without** [Ano77, DEN79a]. **Women** [Dal77]. **work** [HA78]. **workable** [Lev78]. **working**

[ABB⁺77b, LHL79, LAS⁺77]. **workshop** [LR73]. **writing**
[Bar75a, Bas77, Dal78d, Din75a, HHP77, Nel78]. **written** [Cor70].

XS [NFB⁺78]. **XS-0** [NFB⁺78].

year [AM79, BG76, Cab73, Con75, DAC⁺78, HT73, JTF78, Kea75, Mas73, Pec75, PB73, Smo76b, Sti73]. **York** [Fin70]. **Young** [Hay74]. **yourself** [Abb77a].

Zealand [Moo70].

References

Abbey:1975:DPC

[Abb75a] Duane C. Abbey. Data processing and computer science graduates. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):71–75, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Abbott:1975:ISC

[Abb75b] Russell J. Abbott. An informal survey of computer science courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):84–86, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Abbott:1977:DIY

[Abb77a] R. J. Abbott. A do-it-yourself instant compiler.kit. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):53–58, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Austing:1977:CRU

[ABB⁺77b] Richard H. Austing, Bruce H. Barnes, Delle. T. Bonnette, Gerald L. Engel, and Gordon Stokes. Curriculum recommendations for the undergraduate program in computer science: a working report of the ACM committee on curriculum in computer sciences. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(2):1–16, June 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on computer science curricula.

Abshire:1978:TCS

- [Abs78] Gary M. Abshire. Techniques for computer science teachers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(4):42–46, December 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Alter:1972:ECS

- [AC72] Ronald Alter and Thaddeus B. Curtz. An experimental computer science problem seminar. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):144–153, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Austing:1976:CSC

- [ACEH76] Richard Austing, William Cotterman, Gerald Engel, and Ellis Horowitz. Computers and society courses and computer literacy (panel session). *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):324, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Staff:1972:CDP

- [ACM72] ACM SIGCSE Bulletin Staff. Correction to “degree programs in computer science, processing, etc. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(4):45–46, December 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Adams:1975:TDP

- [Ada75] J. M. Adams. Teaching declarative programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):83–85, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Austing:1972:CSE

- [AE72] Richard Austing and Gerald Engel. Computer science education in small colleges. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):38, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Agresti:1976:CSI

- [Agr76] William W. Agresti. Computer science as an interdisciplinary study. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):12–14, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Adams:1972:ISC

- [AH72] J. M. Adams and D. H. Haden. Introductory service courses in the computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):49–52, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Alexander:1978:CEW

- [AH78] Roberta R. Alexander and Frank J. Hatfield. Cooperative education: what is involved? *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):96, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Alford:1977:SEA

- [AHP77] M. Alford, P. Hsia, and F. Petry. A software engineering approach to introductory programming courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):157–161, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Aiken:1970:CRF

- [Aik70] Robert M. Aiken. A course on the relationship of formal language theory to automata. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):34–40, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Aiken:1971:PEP

- [Aik71a] Robert M. Aiken. Problems, exams, projects: some thoughts on the examples of program assignments for a senior level programming course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(3):19–24, September 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Aiken:1971:PRG

- [Aik71b] Robert M. Aiken. Professionalism, relevance and graduate study in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(2):25–27, June 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Aiken:1972:EOT

- [Aik72] R. M. Aiken. Experiences and observations on teaching computer programming and simulation concepts to high school students. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):67–71, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Aiken:1978:SCA

- [Aik78a] Robert M. Aiken. The ‘Sister City Approach’ — promoting transfer of technology. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):10–11, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Aikin:1978:CLI

- [Aik78b] John O. Aikin. Computer literacy: an interdisciplinary, hands on approach at the Evergreen State College, Olympia Washington. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):8–12, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Aird:1976:CMD

- [Air76] Charles L. Aird. Computer manpower development in Saudi Arabia. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):125–128, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Adams:1972:PCS

- [AIS72] J. Mack Adams, William H. Inmon, and Jim Shirley. PL/I in the computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):116–126, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Adams:1979:TYC

- [AM79] A. J. Adams and John Maniotes. The two year curriculum in Computer Programming at Purdue University Calumet campus. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):207–213, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Andrews:1972:CY

- [And72] W. B. Andrews. The computer and you. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):103–109, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Anonymous:1970:PEPa

- [Ano70a] Anonymous. Problems, exams, projects. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(1):15–18, March 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Anonymous:1970:PEPb

- [Ano70b] Anonymous. Problems, exams, projects. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(4):55, September/October 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Anonymous:1971:PEP

- [Ano71] Anonymous. Problems, exams, projects. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(1):40–46, March 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Anonymous:1976:FPS

- [Ano76] Anonymous. Facilities and programs in support of education in computer science at minority institutions (panel discussion). *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):94, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Anonymous:1977:DFD

- [Ano77] Anonymous. Depth-first digraph algorithms without recursion. *SIGCSE Bulletin (ACM Special Interest Group on Computer Sci-*

ence Education), 9(1):151–153, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Anyanwu:1978:CSE

- [Any78] J. A. Anyanwu. Computer science education in a developing nation. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):37–40, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Armstrong:1970:BUC

- [AP70] Russell M. Armstrong and Emmett K. Platt. Business and the university computer science department: the left-hand side of a dialogue. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):6–8, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Abrams:1971:MPS

- [AP71] M. D. Abrams and J. H. Pugsley. M.S. program with specialization in computers: department of electrical engineering. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(3):25–37, September 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Appelbe:1979:TCD

- [App79] Bill Appelbe. Teaching compiler development. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):23–27, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Archibald:1975:PMR

- [Arc75] J. A. Archibald, Jr. Proposed mathematics requirements for the Bachelor's degree in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(4):12–15, December 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Arnow:1978:CER

- [Arn78] Barry Arnow. Cooperative education and realistic student preparation. *SIGCSE Bulletin (ACM Special Interest Group on Computer*

Science Education), 10(1):86, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Albright:1978:BML

- [AS78] Richard A. Albright and Bruce D. Smith. BRAINO: a machine language simulator. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(4):59–65, December 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Ashenhurst:1973:ICS

- [Ash73] Robert L. Ashenhurst. Implications for computer science departments of the ACM information systems curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):2–5, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Ahlgren:1978:SCC

- [ASW78] D. Ahlgren, A. Sapega, and H. Warner. A sequence of computing courses for liberal arts colleges. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):180–182, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Augenstein:1976:LRS

- [AT76] Moshe Augenstein and Aaron Tenenbaum. A lesson in recursion and structured programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):17–23, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Augenstein:1977:ABS

- [AT77a] Moshe Augenstein and Aaron Tenenbaum. Approaches to based storage in PL/I. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):145–150, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Augenstein:1977:PED

- [AT77b] Moshe Augenstein and Aaron Tenenbaum. Program efficiency and data structures. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):21–27, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Atchison:1973:CSP

- [Atc73] William F. Atchison. Computer science preparation for secondary school teachers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):45–47, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Austing:1974:RPS

- [Aus74] Richard H. Austing. The role of professional societies in computer science education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(4):15–20, December 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Baecker:1975:TSW

- [Bae75] Ron M. Baecker. Two systems which produce animated representations of the execution of computer programs. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):158–167, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). URL <ftp://ftp.math.utah.edu/pub/mirrors/ftp.ira.uka.de/bibliography/Graphics/imager/1975.bib>; <ftp://ftp.math.utah.edu/pub/mirrors/ftp.ira.uka.de/bibliography/Graphics/siggraph/1975.bib>. Proceedings of the 5th SIGCSE symposium on Computer science education.

Bailey:1972:O

- [Bai72] T. E. Bailey. Ouchless I/O. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(3):8–18, October 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Bailey:1973:SAT

- [Bai73] T. E. Bailey. Student attitudes toward a new application of instructional television in a computer programming course. *SIGCSE*

Bulletin (ACM Special Interest Group on Computer Science Education), 5(1):173–176, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Baldwin:1978:QBO

- [Bal78] Lynne J. Baldwin. Quasi-Behavioral Objectives for curriculum specification. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):1–7, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Banes:1978:IAC

- [Ban78] Bruce Banes. Implementation of the ACM curriculum recommendations. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):177, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Barnard:1975:PEO

- [Bar75a] A. C. L. Barnard. Planning and experience with a one-quarter course on compiler writing using Gries' book and structured programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):27–29, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Barnard:1975:SEA

- [Bar75b] A. C. L. Barnard. Software engineering in an academic computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(3):62–70, September 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Bardos:1976:PME

- [Bar76] A. F. Bardos. Programmers' mass education at Számok. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(2):41–44, June 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Barnett:1978:SIS

- [Bar78] Michael P. Barnett. Systematic instruction in simple programming gambits. *SIGCSE Bulletin (ACM Special Interest Group on*

Computer Science Education), 10(3):108–112, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Bash:1977:WAP

- [Bas77] Joyce M. Bash. The writing of an assembler in the programming language course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(4):88–90, December 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Bateman:1973:UPE

- [Bat73] Barry L. Bateman. Upsilon pi epsilon: the national computer science honor society. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(2):23–25, June 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Bateman:1974:SC

- [Bat74] Barry L. Bateman. Software and Curriculum 68. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):88–89, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Bauer:1970:SDU

- [Bau70] Michael A. Bauer. A student-designed undergraduate program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):13–17, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Bauer:1975:DTO

- [Bau75] Henry R. Bauer III. The design of a TI980A operating system for classroom use. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):20–22, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Bauer:1976:CUR

- [Bau76] Henry R. Bauer III. Classroom use of replaceable parts in a multiprogramming system. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):108–110, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Bauer:1979:EPI

- [Bau79] Michael A. Bauer. Experiences with PASCAL in an introductory course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):158–161, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Barr:1976:IIB

- [BB76a] Avron Barr and Marian Beard. An instructional interpreter for basic. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):325–334, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Burton:1976:TSM

- [BB76b] Richard R. Burton and John Seely Brown. A tutoring and student modelling paradigm for gaming environments. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):236–246, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Blakley:1979:RSA

- [BB79] G. R. Blakley and I. Borosh. Rivest–Shamir–Adleman public key cryptosystems do not always conceal messages. *Computers and Mathematics with Applications*, 5(3):169–178, 1979. CODEN CMAPDK. ISSN 0898-1221 (print), 1873-7668 (electronic).

Biermann:1975:TIA

- [BBS75] A. W. Biermann, R. I. Baum, and M. Silverman. Trace information as an aid to debugging. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(3):44–49, September 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Brillinger:1970:CPI

- [BC70] P. C. Brillinger and D. D. Cowan. A complete package for introducing computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):118–126, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Bremmer:1977:ETC

- [BC77] Dale Bremmer and Bart Childs. An experience in teaching “Cobol?” to graduate engineers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):96–99, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Bailes:1979:CSE

- [BC79] Gordon L. Bailes and Terry A. Counterline. Computer science (1978) enrollment, faculty, and recruiting. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(2):43–51, June 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Benjamin:1979:COG

- [BCS79] James E. Benjamin, Wilbur L. Campbell, Jr., and John F. Schrage. Career oriented graduate program in management systems. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):10–13, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Bonnette:1974:ENa

- [BD74a] Della Bonnette and John F. Dalphin. Editorial notes. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(2):1, June 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Bonnette:1974:ENb

- [BD74b] Della T. Bonnette and John F. Dalphin. Editorial notes. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(4):1, December 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Beidler:1972:SWE

- [Bei72] John A. Beidler. A simulator which emphasizes addressing techniques. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(4):11–18, December 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Beidler:1973:MIC

- [Bei73] John A. Beidler. A machine independent course in processor organization and assembler language programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):149–152, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Beil:1974:UTM

- [Bei74] Donald H. Beil. The use of transparencies and microfiche to teach computer programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):51–59, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Beidler:1977:PAS

- [Bei77] John Beidler. A place for assembler in structured programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):108–112, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Beil:1979:CPM

- [Bei79] Donald H. Beil. A course in program maintenance. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(2):19–22, June 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Berztiss:1976:WHD

- [Ber76] A. T. Berztiss. The why and how of discrete structures. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):22–25, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Berztiss:1979:MPC

- [Ber79] Alfs T. Berztiss. The M.S. program in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):61–69, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Bergmann:2009:DKR

- [Ber09] Seth D. Bergmann. Degenerate keys for RSA encryption. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 41(2):95–98, June 2009. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Beus:1975:MAB

- [Beu75] H. Lynn Beus. A motivational approach to basic computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):33–38, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Bezanson:1975:TSP

- [Bez75] William R. Bezanson. Teaching structured programming in FORTRAN with IFTRAN. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):196–199, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Burd:1979:RCS

- [BFC79] Barry Burd, Timothy Fossum, and Donald Chambers. A report on computer science certification for secondary school teachers in Wisconsin (panel discussion). *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):245–246, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Bell:1974:LRS

- [BG74] Stoughton Bell and Edgar J. Gilbert. Learning recursion with syntax diagrams. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):44–45, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Berk:1976:CSC

- [BG76] Toby S. Berk and Malcolm H. Gotterer. A computer science curriculum for a two year upper division university. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):15–21, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Beerman:1976:BEC

- [BJ76] Thomas H. Beerman and Gregory S. Jonesku. BECUN: the educational computer user's network at Battelle. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):182–188, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Bork:1979:PPN

- [BKDH79] Alfred Bork, David Kniefel, Karen Duncan, and Donald Holznagel. Preliminary proposal for a National Educational Computing Consortium. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(3):9–10, September 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Bordage:1976:ICA

- [BL76] G. Bordage and Robin B. Lake. An introductory course in the applications of computer technology in the health sciences. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):184–188, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Bauer:1975:CSH

- [BM75] Charles R. Bauer and John C. Meinke. Computer science for the high school teacher. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(3):19–20, September 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Beidler:1978:STT

- [BM78] John Beidler and John Meinke. A software tool for teaching Data Structures. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):120–125, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Barnes:1976:NSF

- [BMOW76] Bruce H. Barnes, Andrew R. Molnar, Lawrence H. Oliver, and Robert F. Watson. National science foundation programs in computer science. *SIGCSE Bulletin (ACM Special Interest Group on*

Computer Science Education), 8(3):1, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Brackett:1978:CSE

- [BNS78] Gail B. Brackett, Chadwick H. Nestman, and Emil R. Spees. Computer science education and the ideal of liberal arts. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):13–15, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Bolz:1973:ICE

- [Bol73] Harold A. Bolz. Impact of computers on engineering education (abstract). *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):1, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Bonnette:1974:SPD

- [Bon74] Della Bonnette. SIGCSE panel discussion, the industry's reaction to computer science education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(4):30–35, December 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Bonnette:1975:EN

- [Bon75] Della T. Bonnette. Editorial notes. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):1, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Bowles:1978:CCB

- [Bow78] Kenneth L. Bowles. A CS1 course based on stand-alone microcomputers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):125–127, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Boyle:1976:CSP

- [Boy76] Thomas A. Boyle. Computer-scored, programmed test monitors student progress. *SIGCSE Bulletin (ACM Special Interest Group*

on Computer Science Education), 8(1):96–99, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Bateman:1973:CSF

- [BP73] Barry L. Bateman and Gerald N. Pitts. Computer science as a foreign language substitute. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):132–133, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Bell:1977:EOD

- [BP77] Donald H. Bell and Joseph W. Panko. Educational opportunities for the deaf in data processing at Rochester Institute of Technology. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(4):79–84, December 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Benson:1979:CBP

- [BR79] Robert J. Benson and Robert A. Rouse. A community based professional development program in data processing. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):136–139, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Brady:1970:ISC

- [Bra70] Allen H. Brady. The introductory and service courses in computing: some experiences and a critical assessment. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(2):31–36, June 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Brewer:1976:DSB

- [Bre76] Richard K. Brewer. Documentation standards for beginning students. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):69–73, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Brewer:1977:MRK

- [Bre77] Richard K. Brewer. Macrognosographics: a reason to keep flowcharting. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):154–156, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Buck:1976:IIS

- [BS76] John Buck and Ben Shneiderman. An internship in information systems: Combining computer science education with realistic problems. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):80–83, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Basili:1974:ESS

- [BT74] Victor R. Basili and Albert J. Turner. Experiences with a simple structured programming language. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):144–147, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Bunt:1971:DA

- [Bun71] R. B. Bunt. Dissertation abstracts. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(4):46–52, December 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Cable:1973:CET

- [Cab73] Frank Cable. Computer education in two-year institutions: — A natural point of supply for hireable, operational, EDP-applications programmers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):32–37, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Cain:1975:RDS

- [Cai75] James T. Cain. Report of the digital systems education committee. *SIGCSE Bulletin (ACM Special Interest Group on Computer Sci-*

ence Education), 7(3):13–16, September 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Calingaert:1971:OFL

- [Cal71] Peter Calingaert. An oral foreign language requirement for the Ph.D. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(4):21–23, December 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Calingaert:1978:CCV

- [Cal78] Peter Calingaert. Compiler course vs. translators course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(4):20–23, December 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Conti:1976:RCS

- [CAO⁺76] Dennis Conti, Russell Armstrong, Paul Oliver, Robert Orchard, and John Shoosmith. Relevance of computer science education to industry and government needs — A critique of the proposed update to curriculum '68. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):92, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Carroll:1978:CCS

- [Car78] John M. Carroll. The case for computer scientists teaching computer science or digit-Alice in Squanderland. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):229–231, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Caviness:1975:SCO

- [Cav75] B. F. Caviness. SAM course outlines. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):92–103, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Caviness:1972:SMC

- [CC72] B. F. Caviness and G. E. Collins. Symbolic mathematical computation in a ph. D. computer science program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4

(1):19–23, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Conner:1979:AIG

- [CD79] William M. Conner and Kenneth A. De Jong. The academic/industry gap in systems programming and operating systems. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):118–126, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Capstick:1975:PPU

- [CGS75] C. K. Capstick, J. D. Gordon, and A. Salvadori. Predicting performance by university students in introductory computing courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(3):21–29, September 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Coulter:1978:CC

- [CH78] Neal S. Coulter and Fred G. Harold. Computer currency. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):156–161, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Chand:1974:CSE

- [Cha74a] Donald R. Chand. Computer science education in business schools. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):91–97, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Chand:1974:SDL

- [Cha74b] Donald R. Chand. A structured design language for teaching programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):121–124, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Chanon:1975:CCU

- [Cha75] R. N. Chanon. Compiler construction in an undergraduate course: some difficulties. *SIGCSE Bulletin (ACM Special Interest Group*

on *Computer Science Education*), 7(2):30–32, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Chanon:1977:EIC

- [Cha77] R. N. Chanon. An experiment with an introductory course in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):39–42, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Chanon:1978:CPP

- [Cha78a] R. N. Chanon. A course in programming and practice: toward small systems. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):224–228, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Chanon:1978:GIC

- [Cha78b] R. N. Chanon. A graduate immigration course in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):32, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Chanon:1978:EA

- [Cha78c] Robert N. Chanon. Educational AIDS. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):66–69, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Cheney:1975:ICS

- [Che75] Robert S. Cheney. An introductory computer survey course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(3):30–34, September 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Cheng:1976:DUC

- [Che76a] Richard Cheng. A diversified undergraduate computer science program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):366–370, February 1976. CODEN

SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE-SIGCUE joint symposium on Computer science education.

Cheng:1976:LLS

- [Che76b] Richard Cheng. On-line large screen display system for computer instruction. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):179–181, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE-SIGCUE joint symposium on Computer science education.

Cherniak:1976:IPR

- [Che76c] Bob Cherniak. Introductory programming reconsidered — a user-oriented approach. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):65–68, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE-SIGCUE joint symposium on Computer science education.

Chu:1975:PSD

- [Chu75] Yaohan Chu. A panel session on “digital system education”. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):212, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Chvalovsky:1978:CSE

- [Chv78] Vaclav Chvalovsky. Computer science education at universities: the case of developing countries. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):41–47, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Carpenter:1977:MSC

- [CJPT77] B. E. Carpenter, P. C. Jenkins, L. W. Pearson, and L. K. Thomas. MUSIC: a simulated computer for teaching purposes. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(4):70–76, December 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Cameron:1979:CSC

- [CK79] J. S. Cameron and Z. A. Karian. Computer science curricula for small colleges. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):215–219, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Comaa:1978:SGP

- [CKP78] H. Comaa, J. Kramer, and B. K. Penney. A student group project in operating system implementation. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):197–202, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Cooper:1976:IHA

- [CL76] Roger T. Cooper and Malcolm G. Lane. An improved hands-on approach to teaching systems programming and the impact of structured programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):115–124, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Clark:1974:HSC

- [Cla74] Douglas Clark. Hardware systems in the core curriculum of a computer science Ph.D. program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):106–110, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Claybrook:1976:CPD

- [Cla76] Billy G. Claybrook. A course and project description for an undergraduate course in evaluation and measurement techniques for computer systems. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):111–114, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Clair:1979:NCL

- [Cla79] Daniel C. Clair. Newtruck: a comprehensive long-term project in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):131–135, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Cashman:1975:NTP

- [CM75] W. F. Cashman and W. J. Mein. On the need for teaching problem-solving in a Computer Science Curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):40–46, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Chi:1974:CSS

- [CMT74] Emile C. Chi, Marsha Moroh, and Miriam R. Tausner. Computer science at staten island community college: Teaching computer science in an open admissions environment. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):48–52, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Carvalho:1976:UPT

- [CN76] Sergio E. R. Carvalho and Miguel Angelo A. Nóvoa. On the use of pointers and the teaching of disciplined programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):26–29, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Collins:1979:DOI

- [Col79] William J. Collins. A data-oriented introduction to program design. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(4):49–55, December 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Connolly:1973:CJC

- [Con73] Frank W. Connolly. A community/junior college view of Curriculum '68. *SIGCSE Bulletin (ACM Special Interest Group on*

Computer Science Education), 5(1):68–69, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Conway:1974:IIP

- [Con74] Richard W. Conway. Introductory instruction in programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):6–10, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Connolly:1975:CTY

- [Con75] Frank W. Connolly. Computers at two-year colleges: current course offerings and facilities. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):6–11, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Conner:1977:COA

- [Con77] William M. Conner. A concept-oriented approach to introductory computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):162–164, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Cook:1976:SPI

- [Coo76] Curtis R. Cook. A self-paced introductory Fortran programming course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):78–79, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Cook:1977:APC

- [Coo77a] Curtis R. Cook. Applications programming course using guided design. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):79–82, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Cook:1977:AIC

- [Coo77b] Robert N. Cook. An approach to the introductory computer science course for non-majors. *SIGCSE Bulletin (ACM Special In-*

terest Group on Computer Science Education), 9(3):30–33, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Cook:1978:MUB

- [Coo78] Robert N. Cook. Microcomputer utilization in basic programming courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):23–26, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Corneil:1970:SUT

- [Cor70] Derek G. Corneil. The syllabus for the 1970 University of Toronto Ph.D. written comprehensive examination. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(2):41–43, June 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Corliss:1978:SIC

- [Cor78] George Corliss. A search for interactive computer graphics lessons in numerical analysis. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):17–20, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Coulter:1975:IP1

- [Cou75] Neal S. Coulter. Introducing PMS and ISP notations. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(4):72–75, December 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Coulter:1977:OSP

- [Cou77] Neal S. Coulter. Operating systems with POPSS. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):85–87, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Cowan:1970:LSU

- [CR70] D. D. Cowan and R. B. Roden. A large-scale undergraduate programme in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):18–23, Novem-

ber 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Crenshaw:1978:TPU

- [Cre78] John H. Crenshaw. Team projects in the undergraduate curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):203–205, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Costello:1977:GBS

- [CS77] Donald F. Costello and Richard J. Schonberger. On guiding the business school toward computer literacy. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):180–183, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Curtis:1975:CSF

- [Cur75] Kent K. Curtis. Computer science, federal programs, and Nirvana. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):109–113, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Dale:1979:CPD

- [DAB⁺79] Nell Dale, Richard Austing, Lynne J. Baldwin, Lucia McKay, and Mary Shaw. Curriculum 78 (panel discussion): Consequences for the student profile. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):87–88, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Dillman:1978:TYC

- [DAC⁺78] Richard W. Dillman, William H. Anderson, Dorothea L. Choper, John M. Lloyd, Katherine B. Simms, and James F. Williams. Two year curricula in computer studies—implementing the guidelines. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):140–150, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Dalphin:1976:CSC

- [Dal76] John F. Dalphin. A computers and society course: Adapted for television. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):98–100, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Dale:1977:WSP

- [Dal77] N. Dale. Women in science: a pilot project in accelerated computer training for returning women students. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):10–15, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Dale:1978:DMU

- [Dal78a] Nell Dale. Database management in the undergraduate curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):136–139, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Daley:1978:BPL

- [Dal78b] James Daley. Basic2 — a preprocessed language. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):70–73, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Daley:1978:ICP

- [Dal78c] James Daley. An inexpensive concurrent programming language for operating system construction. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(4):52–55, December 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Daley:1978:LAT

- [Dal78d] James S. Daley. A laboratory approach to teaching compiler writing. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):19–21, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Dalphin:1979:PTS

- [Dal79] John F. Dalphin, editor. *The papers of the tenth SIGCSE Technical Symposium on Computer Science Education, Dayton, Ohio, February 22–23, 1979*, volume 11(1) of *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*. ACM Press, New York, NY 10036, USA, 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). LCCN QA76.27 .A79a vol. 11, no. 1.

Davis:1977:RMT

- [Dav77] Ronald L. Davis. “recommended mathematical topics for computer science majors”. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):51–55, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

deCampo:1970:ICS

- [dC70] Leila de Campo. Introducing the computer at a small liberal arts college. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):113–117, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

deGrasse:1972:RCH

- [deG72] Richard V. deGrasse. Remote computing in higher education: prospects for the future. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):39–41, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Denning:1970:PCS

- [Den70] Peter J. Denning. Principles of computer system organization. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):45–55, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Daly:1979:PRT

- [DEN79a] Cecilia Daly, David W. Embley, and George Nagy. A progress report on teaching programming to business students without lectures. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):247–250, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Denenberg:1979:ICB

- [Den79b] Stewart Denenberg. Increasing the clarity of binary tree traversal procedures. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(2):36–39, June 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Dept:1973:CSP

- [Dep73] CORPORATE Carnegie-Mellon Univ. C. S. Dept. The computer science PH.D. program at CMU. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(2):33–40, June 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Dershem:1970:PRC

- [Der70] Herbert L. Dershem. Problem related to card games for an introductory programming course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(5):48–49, December 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Dershem:1978:ECU

- [Der78] Herbert L. Dershem. An experience component for undergraduate computer science education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):24–26, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

DesJardins:1972:RCS

- [Des72] R. B. DesJardins. The responsibilities of computer science in continuing education for managers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):57–59, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Dey:1973:IMT

- [Dey73] Suhrit K. Dey. Inductive methods of teaching programming languages. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):6–8, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

DiManzo:1978:CCS

- [DFF⁺78] M. Di Manzo, M. Ferraris, A. L. Frisiani, V. Midoro, and G. Olimpo. COMES: a CAI system oriented to programming languages. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):7–15, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Dodd:1974:IRC

- [DG74] George Dodd and Fred A. Gluckson. Industry reaction to computer science education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):79–80, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Dinerstein:1974:ECP

- [Din74] N. T. Dinerstein. An experimental course in programming languages, data structures and machine organization. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):30–32, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Dinerstein:1975:CWC

- [Din75a] N. T. Dinerstein. A compiler writing course in a small college. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(3):71–72, September 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Dinerstein:1975:DCS

- [Din75b] Nelson T. Dinerstein. Does computer science belong in a liberal arts college? *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):55–64, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Dinerstein:1977:RSD

- [Din77] Nelson T. Dinerstein. A remedial software design course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(4):77–78, December 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Dyba:1975:CHR

- [DKMS75] Jerome Dyba, Marvin Kornbluh, William McCartin, and Richard G. Schneider. The challenge of human resources staffing and utilization in industrial computing — part 1. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):123, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Druffel:1977:AWP

- [DMH⁺77] Larry E. Druffel, Vance A. Mall, Robert N. Hawley, Kenneth L. Krause, and Marion A. Pumfrey. Another way to present computer programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(4):85–87, December 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Danielson:1975:ATI

- [DN75] Ronald L. Danielson and Jurg Nievergelt. An automatic tutor for introductory programming students. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):47–50, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Dumas:1976:AC

- [DN76] Robert J. Dumas and Anne E. Nieberding. An alternative to Curriculum 68. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):5–11, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Dowling:1974:CGC

- [Dow74] Wayne C. Dowling. A computer-graphics course for undergraduate engineers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(2):5–8, June 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Deimel:1979:RSP

- [DP79] Lionel E. Deimel, Jr. and Mark Pozefsky. Requirements for student programs in the undergraduate computer science curriculum: How much is enough? *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):14–17, February

1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Dexter:1975:DSC

- [DRT75] Margaret E. Dexter, Margaret L. Rhoden, and Jerry Sue Townsend. A discrete structures course for a small college. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):61–64, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

DuWorks:1972:APD

- [DS72] Robert J. DuWorks and Steven W. Smoliar. The arrogant programmer: Dijkstra and Wegner considered harmful. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(4):19–21, December 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

DeLorm:1975:MFE

- [DS75] R. T. DeLorm and T. C. Smith. Motivating freshmen engineering students. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):124–128, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Davis:1975:IED

- [DTW75] Alan Davis, Michael H. Tindall, and Thomas R. Wilcox. Interactive error diagnostics for an instructional programming system. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):168–171, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Dunning:1974:ROS

- [Dun74] Peter Dunning. Recommendations for an operating systems course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):90, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Engel:1979:CCP

- [EAAD79] Gerald L. Engel, William F. Atchison, Richard H. Austing, and Chester Davis. From Curriculum '68 to Curriculum '78 (panel

discussion). *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):22, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Engel:1972:EEC

- [EB72] Gerald L. Engel and Bruce H. Barnes. The effect of environment on computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):13–18, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Eastman:1979:RIC

- [EB79] Caroline M. Eastman and Steven L. Blumsack. Repackaging the introductory course to separate the control language. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):155–157, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Eckhouse:1972:CSL

- [Eck72] Richard H. Eckhouse. The computer science laboratory. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):42–45, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Eckberg:1976:SPD

- [Eck76a] Carl F. Eckberg. Some proposals for distributing central computing power at a university. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):129–134, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Ecklund:1976:LNP

- [Eck76b] E. F. Ecklund, Jr. A “non-programming” introduction to programming concepts. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):62–64, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Eckberg:1978:QKK

- [Eck78] Carl Eckberg. QUILT (a.k.a. KWILT): a special purpose instructional language. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):126–130, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Ein-Dor:1970:SAC

- [EDL70] Phillip Ein-Dor and Norman Lyons. Systems analysis in computer science education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(5):16–21, December 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Eccles:1976:CST

- [EG76] William J. Eccles and Brian G. Gordon. Computer science by TV. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):54–56, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Egan:1976:CGB

- [Ega76] L. G. Egan. Closing the “gap” between the university and industry in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(4):19–25, December 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Engel:1973:DSU

- [EJ73] G. L. Engel and N. D. Jones. Discrete structures in the undergraduate computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):56–59, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Ellzey:1973:CRO

- [Ell73] Roy S. Ellzey. The college’s role in offering short concentrated courses for industry. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(4):11–13, December 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Ellis:1975:PSS

- [Ell75] Clarence A. Ellis. A practicum — seminar in structured programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):86–94, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Embley:1978:TDF

- [Emb78] David W. Embley. Teaching disciplined Fortran programming via unfort. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):34–38, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Engel:1970:CUC

- [Eng70a] Gerald L. Engel. Comments on an undergraduate computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(4):54–55, September/October 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Engel:1970:CSE

- [Eng70b] Gerald L. Engel. Computer science education in small colleges. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(2):14–30, June 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Engel:1971:IAC

- [Eng71a] G. Engel. Input from ACM Curriculum Committee on Computer Science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(4):30–39, December 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Engel:1971:CSI

- [Eng71b] G. L. Engel. Computer science instruction in small colleges — an initial report. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(2):8–18, June 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Engel:1974:IRR

- [Eng74] Gerald L. Engel. Initial report: the revision of “Curriculum 68”. *SIGCSE Bulletin (ACM Special Interest Group on Computer Sci-*

ence Education), 6(3):79–80, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Engel:1976:RCA

- [Eng76] Gerald L. Engel. The revision of “Curriculum ’68” (an abstract). *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):2–3, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Epstein:1975:PTC

- [Eps75] G. Epstein. The pyramid teaching computer structures by computer structures. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(3):58–61, September 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Epley:1978:TSC

- [ES78] Donald Epley and Ted Sjoerdsma. A two-semester course sequence in introductory programming using PL/1 — a rationale and overview. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):113–119, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Ellis:1972:TCD

- [EW72] Robert A. Ellis and Donald F. Wann. Teaching computer design using macromodules. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):160–162, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Faiman:1974:STR

- [Fai74a] Michael Faiman. Some thoughts on the role of hardware in computer science education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):103–105, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Fairley:1974:GCB

- [Fai74b] Richard E. Fairley. A graduate curriculum in Business-Oriented Computing. *SIGCSE Bulletin (ACM Special Interest Group on*

Computer Science Education), 6(1):37–39, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Fairley:1978:TMC

- [Fai78] Richard E. Fairley. Toward model curricula in software engineering. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):77–79, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Fisher:1978:SHP

- [FAT78] James Fisher, John Alvarez, and Robert Taylor. A survey of how practicing programmers keep up-to-date first results including their implications for computer science education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):67–72, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Fletcher:1976:PDI

- [FBB⁺76] J. D. Fletcher, Avron Bar, John Seely Brown, Donald Gentner, Ira Goldstein, and Mark Miller. Panel discussion: Intelligent instructional systems. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):371, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Forsythe:1970:CSM

- [FGH⁺70] G. E. Forsythe, B. A. Galler, J. Hartmanis, A. J. Perlis, and J. F. Traub. Computer science and mathematics. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(4):19–29, September/October 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Flon:1978:FCS

- [FHSW78] Lawrence Flon, Paul N. Hilfinger, Mary Shaw, and Wm. A. Wulf. A fundamental computer science course that unifies theory and practice. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):255–259, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers

of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Fisher:1973:SIP

- [FHW73] P. Fisher, W. Hankley, and V. Wallentine. Separation of introductory programming and language instruction. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):9–14, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Findler:1970:PDQ

- [Fin70] Nicholas V. Findler. Ph.D. qualifying exam questions in artificial intelligence and symbol manipulation at the State University of New York at Buffalo. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(5):43–47, December 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Furugori:1977:FCC

- [FJ77] T. Furugori and P. Jalics. First course in computer science, a small survey. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):119–122, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Foutz:1978:ITC

- [FJ78] Patricia Bartos Foutz and Martha J. Johnson. The integration of a traditional cooperative education program and a computer science discipline. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):87–91, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Fu:1973:CSE

- [FK73] Kuan-Chen Fu and Benjamin Koo. Computer science education for an overlooked group — high school teachers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):51–52, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Friedman:1976:SPC

- [FK76] Frank L. Friedman and Elliot B. Koffman. Some pedagogic considerations in teaching elementary programming using structured FORTRAN. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):1–10, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Friedman:1977:TPS

- [FK77] Frank L. Friedman and Elliot B. Koffman. Teaching problem solving and structured programming in FORTRAN. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):63–68, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Furuta:1979:EEP

- [FK79] Richard Furuta and P. Michael Kemp. Experimental evaluation of programming language features: Implications for introductory programming languages. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):18–21, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Fletcher:1976:QOI

- [FL76] Sharon Fletcher and Thomas Luce. QUICK: a quasi-interactive computer-based instructional system. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):275–279, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Fletcher:1974:CSS

- [Fle74] Dexter Fletcher. Computer science seminars on pedagogical techniques and methods for evaluation. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):47, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Fosdick:1978:PIC

- [FM78] Howard Fosdick and Karen Mackey. A pragmatic introductory course in COBOL: description and rationale. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):53–58, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Fosdick:1979:CPT

- [FM79] Howard Fosdick and Karen Mackey. A course on the pragmatic tools of the programming environment: description and rationale. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(3):11–14, September 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Forsythe:1970:SQE

- [For70a] G. Forsythe. Syllabi and qualifying examinations for the Ph.D. in computer science at Stanford University (continued). *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(1):19–28, March 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Forsythe:1970:PEP

- [For70b] George E. Forsythe. Problems, exams, projects. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(5):37–43, December 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Forbrich:1973:UCD

- [For73] Carl A. Forbrich, Jr. Use computers to demonstrate the differential equations of aerodynamics. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):119–120, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Frederick:1976:SAC

- [Fre76a] Terry J. Frederick. Self-assessment for the computing professional: Consideration of a natural delivery system. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):4, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Freeman:1976:RSD

- [Fre76b] Peter Freeman. Realism, style, and design: Packing it into a constrained course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):150–157, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Freeman:1976:SEE

- [Fre76c] Peter Freeman. Software engineering education: Needs and objectives. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):266, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Friedman:1975:ETD

- [Fri75] Frank L. Friedman. An experience in teaching disciplined programming at an elementary level. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(3):38–43, September 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Friedman:1979:UCL

- [FS79] Frank Friedman and Judith A. Stebulis. An undergraduate compiler laboratory. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):28–36, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Gotterer:1973:CSM

- [GB73] Malcolm H. Gotterer and Bruce H. Barnes. The computer science M.S. graduate. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):106–109, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Guha:1977:SCH

- [GCS77] R. K. Guha, P. A. Carr, and C. L. Smith. Standards considered helpful. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):74–78, August 1977. CODEN

SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Gerhart:1975:MTP

- [Ger75] Susan L. Gerhart. Methods for teaching program verification. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):172–178, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Gorsline:1973:CSE

- [GG73] George W. Gorsline and Duff Green III. Computer science education through a rearview mirror: Experiences with Curriculum 68 at Virginia Polytechnic Institute and State University. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):102–105, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Grit:1977:TLB

- [GG77] Dale H. Grit and Dennis D. Georg. A top-down, laboratory based operating system course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):73–76, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Gruener:1978:SFC

- [GG78] William B. Gruener and Steven M. Graziano. A study of the first course in computers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):100–107, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Germano:1978:SUH

- [GH78] Frank Germano and Stephen Higgenbotham. A student-use: hierarchical data base management system. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):53–58, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Grout:1979:ECS

- [GH79] Jarrell C. Grout and Denis M. Hyams. Experiences with a Computer Science Advisory Council. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):127–130, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Gibbs:1977:ICS

- [Gib77] Norman E. Gibbs. An introductory computer science course for all majors. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):34–38, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Gillett:1976:IPA

- [Gil76] Will Gillett. An interactive program advising system. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):335–341, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Ginsberg:1975:GLU

- [Gin75] Myron Ginsberg. A guide to the literature for undergraduate and graduate courses in numerical mathematics. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(4):53–68, December 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Gries:1974:PDS

- [GKC⁺74] David Gries, Priar W. Kerrighan, Donald R. Chand, John Woolley, Richard C. Holt, Thomas W. S. Plum, Victor Pasill, Olivier Lecarme, and Clirtor R. Foulk. Panel discussion on structured programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):60–68, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Glasser:1975:TOH

- [Gla75] A. L. Glasser. A terminal oriented hardware simulator for educational use. *SIGCSE Bulletin (ACM Special Interest Group on*

Computer Science Education), 7(1):179–186, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Givbbs:1974:HCS

- [GLO74] Norman E. Givbbs, Donald W. Loveland, and James M. Ortega. The heart of computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(4):13–14, December 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Garland:1979:NMD

- [GM79] Stephen J. Garland and A. Kent Morton. A new Master’s degree program at Dartmouth College. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(4):25–26, December 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Goddard:1973:SCS

- [God73] Alton R. Goddard. Structure and content of service courses in computer science for other disciplines. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):15–17, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Goddard:1974:RCS

- [God74] Alton R. Goddard. Relating computer science programs to the needs of industry through internships and cooperative programs. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):165–168, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Goddard:1975:CAP

- [God75] Alton R. Goddard. Computer applications for prospective public school administrators. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):51–55, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Golde:1971:ISC

- [Gol71] Hellmut Golde. Introducing students to computer science literature — an approach. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(2):21–25, June 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Gonzales:1978:CED

- [Gon78] Carlos Gonzales. A computer engineering degree in Mexico. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):48–52, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Graham:1970:TSP

- [Gra70] Robert M. Graham. Teaching systems programming and software design: problems and solutions. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):56–60, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Grant:1978:ICT

- [Gra78] John Grant. Individualized course in theoretical computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):39–41, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Gries:1974:WSW

- [Gri74] David Gries. What should we teach in an introductory programming course? *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):81–89, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Grillo:1978:SSU

- [Gri78] John P. Grillo. Small systems for undergraduate courses in system design. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):282–285, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Gross:1975:VAC

- [Gro75] James F. Gross. Video augmented computer science (VACS). *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(4):47–49, December 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Giaccai:1975:ES

- [GS75] Gerald J. Giaccai and Kenneth R. Slonneger. Enhancing SAMOS. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(3):73–76, September 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Golde:1976:WSC

- [GS76] Hellmut Golde and Alan Shaw. Why a separate computer facility for computer science education? experiences at the UW computer sciences teaching laboratory. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(2):11–20, June 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Gumb:1977:LEE

- [Gum77] Raymond D. Gumb. Language extensibility in extended Fortran: data types and pointer variables. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(4):53–54, December 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Gyllenskog:1978:TOS

- [Gyl78] Joel Gyllenskog. Teaching operating systems design. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):44–46, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Heilman:1971:RED

- [HA71] R. L. Heilman and G. P. Ashby. Re-evaluation of debugging in the computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(4):15–18, December 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Hatfield:1978:CEM

- [HA78] Frank J. Hatfield and Roberta R. Alexander. Cooperative education: making it work. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):92–95, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Haag:1978:CUS

- [Haa78] James N. Haag. Careers of University of San Francisco computer science graduates. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):59–62, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Hammer:1976:RCS

- [HAB⁺76] Preston Hammer, Richard Austing, Bruce Barnes, Gerald Engel, and Gordon Stokes. Recommendations on computer science curriculum for undergraduate degree programs. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):95, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Hager:1976:EDP

- [Hag76] Oberita Hager. An evaluation of the data processing program at Eastern Kentucky University. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):307–312, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Hammer:1970:UCS

- [Ham70] Preston C. Hammer. Undergraduate computer science education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):1–5, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Hamblen:1974:SCS

- [Ham74] John W. Hamblen. Statistics for computer scientists. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Edu-*

cation), 6(3):109–111, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Hamblen:1975:CAG

- [Ham75a] John W. Hamblen. The case for an advanced graduate record examination in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):1–6, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Hamblen:1975:CMU

- [Ham75b] John W. Hamblen. Computer manpower in the United States — supply and demand. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(4):25–43, December 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Hamming:1975:PCS

- [Ham75c] R. W. Hamming. A philosophy for computer science or my prejudices and confusions. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(4):16–18, December 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Hamblen:1977:CMU

- [Ham77] John W. Hamblen. Computer manpower in the United States — supply and demand: an update. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(4):19–37, December 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Hamblen:1979:MPC

- [Ham79] John W. Hamblen. Masters program in computer science (panel discussion): Preliminary recommendations of the committee on the curriculum in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):60, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Hansen:1978:RUM

- [Han78] William A. Hansen. A report on the use of multimedia courses in computer science education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):35, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Harris:1974:RCS

- [Har74] Fred H. Harris. The role of computer science education in certification of computer professionals. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):1–5, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Hardell:1977:NBL

- [Har77] Mary M. Hardell. The near blind leading the blind: One partial solution to the hacker battered student syndrome. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):63–65, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Harrow:1978:HSS

- [Har78] Keith Harrow. How to show something is not: Proofs in formal language and computability theory. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):27–30, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Hays:1974:UEC

- [Hay74] Bill R. Hays. Undergraduate education in computer science at brigham Young university. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):21–27, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Haskell:1976:USF

- [HBJ76] R. E. Haskell, D. E. Boddy, and G. A. Jackson. Use of structured flowcharts in the undergraduate computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer*

Science Education), 8(3):67–74, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Hedrick:1972:PMT

- [Hed72] G. E. Hedrick. A pedagogical model for top-down syntax analysis. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(2):11–13, July 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Hedrick:1977:AIO

- [Hed77] G. E. Hedrick. ALGOL68 instruction at Oklahoma State University. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):16–20, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Helkanoff:1973:MPC

- [Hel73] M. A. Helkanoff. An M.S. program in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):77–82, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Holland:1978:HLW

- [HFL⁺78] Robert Holland, David Fulton, Ed Lamie, George Nagy, John Tartar, and Jay Wienkam. Hardware laboratories: what they should contain and how to obtain funding. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):178, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Hyde:1979:IPS

- [HGU79] Daniel C. Hyde, Ben D. Gay, and Donald Utter, Jr. The integration of a Problem Solving Process in the first course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):54–59, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Horowitz:1973:CSI

- [HH73] E. Horowitz and M. C. Horowitz. Computers and society: an interdisciplinary approach. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):134–137, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Hansen:1978:TDU

- [HHD78] John C. Hansen, Elizabeth A. Hansen, and Kenneth H. Derus. Team dynamics and the undergraduate curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(4):28–29, December 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Haynes:1977:OTL

- [HHP77] William R. Haynes, Jr., Charles E. Hughes, and Charles P. Pfeeger. ORACLE a tool for learning compiler writing. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):37–52, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Heimer:1973:TTC

- [HJ73] Ralph T. Heimer and Lars C. Jansson. Teacher training in computer education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):48–50, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Hamblen:1979:SDP

- [HLEA79] John W. Hamblen, Joyce C. Little, Gerald L. Engel, and Richard E. Austing. Status of degree programs in computer science (panel discussion). *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):1, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Hanson:1975:FCC

- [HM75] Allan Hanson and Kurt Maly. A first course in computer science: What it should be and why. *SIGCSE Bulletin (ACM Special Inter-*

est Group on Computer Science Education), 7(1):95–101, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Hobson:1978:CSH

- [Hob78] Richard F. Hobson. Computing science hardware laboratories and the LSI revolution. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):160–170, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Hoffman:1974:COC

- [Hof74] Lance J. Hoffman. Course outline for computer security and privacy. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):13–17, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Hoffman:1978:SSE

- [Hof78] A. A. J. Hoffman. A survey of software engineering courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):80–83, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Hoffman:1979:MSE

- [Hof79] A. A. J. Hoffman. Master of software engineering — a proposed curriculum for practitioners. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):70–74, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Homeyer:1977:EMC

- [Hom77] Fred C. Homeyer. An experimental microcomputer course (a case history). *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(4):41–44, December 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Homeyer:1978:SGU

- [Hom78] Fred C. Homeyer. A survey of graduates from an undergraduate computer science program. *SIGCSE Bulletin (ACM Special*

Interest Group on Computer Science Education), 10(1):31, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Honkanen:1973:SCP

- [Hon73] Pentti A. Honkanen. A student-computer programming system for teaching graph and network theory. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):177–179, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Honkanen:1975:SFC

- [Hon75] Pentti A. Honkanen. Setting the foundations of computer science in a business oriented program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):187–190, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Hosch:1973:SCR

- [Hos73] Frederick A. Hosch. Some comments on the role of computer science education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(3):13–17, September 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Hosch:1977:WF

- [Hos77] Frederick A. Hosch. Whither flowcharting? *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):66–73, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Hughes:1976:AVT

- [HP76] Charles E. Hughes and Charles P. Pfleeger. ASSIST-V: a tool for studying the implementation of operating systems. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):167–173, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Hilfinger:1978:ITS

- [HSW78] Paul N. Hilfinger, Mary Shaw, and Wm. A. Wulf. Introducing “theory” in the second programming course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):55–58, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Highland:1973:ITF

- [HT73] Harold Joseph Highland and Charles B. Thompson. An integrated [two- and four- year] curriculum in information processing at a state technical college. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):86–90, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Huggins:1970:UFP

- [Hug70] Phyllis Huggins. Universities failing to provide adequate background for D.P. [report on ACM SIGCSE, FJCC 1970]. *ComputerWorld*, November 25, 1970. CODEN CMPWAB. ISSN 0010-4841. URL <ftp://ftp.math.utah.edu/pub/mirrors/ftp.ira.uka.de/bibliography/Compiler/sigada.bib>.

Hughes:1977:TDF

- [Hug77] Herman D. Hughes. A tool designed to facilitate structured programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):26–30, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Hunt:1970:CST

- [Hun70] Earl Hunt. The computer science teaching laboratory at the University of Washington. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):30–33, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Holt:1974:SSS

- [HW74] Richard C. Holt and David B. Wortman. A sequence of structured subsets of PL/I. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):129–132, February 1974.

CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Hasenei:1975:CHR

- [HWC75] Ken Hasenei, Claude Walston, and Ed Coady. The challenge of human resources staffing and utilization in industrial computing — part 2. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):157, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Ivey:1972:PLT

- [IE72] William Max Ivey and Larry C. Eversole. A programming language for the teaching of algorithmic analysis. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):136–140, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Isaacs:1976:BCA

- [IN76] Gerald L. Isaacs and Melvin R. Novick. The Bayesian computer-assisted data analysis (CADA) monitor. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):268–274, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Ingram:1975:RSI

- [Ing75] G. Ingram. Report of special interest session on computing in minority institution held at fifth annual SIGCSE symposium. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(3):12, September 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Irby:1977:TSD

- [Irb77] Thomas C. Irby. Teaching software development using a microprocessor laboratory. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):113–118, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Iyengar:1976:EDS

- [Iye76] S. Sitharama Iyengar. An experience with a “Data Structures and File Management” course at the graduate level in computer science program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(4):12–14, December 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Iyengar:1978:ECP

- [Iye78] S. Sitharama Iyengar. An experience with a computers and programming course at the graduate level in a computer science program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(4):35–36, December 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Jackson:1976:SET

- [Jac76a] Alyce Jackson. In-service education for teachers of computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):29–34, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Jackson:1976:GTD

- [Jac76b] Glenn A. Jackson. A graphical technique for describing recursion. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):30–32, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Jalics:1978:NTS

- [Jal78] Paul J. Jalics. A note on teaching structured programming in an introductory programming course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):79, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Jarvinen:1977:NEP

- [Jär77] Pertti Järvinen. Notes on educational planning: a systems approach. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(4):57–62, December 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Jehn:1976:ACS

- [JBF76] Lawrence A. Jehn, James E. Brandeberry, and B. Albert Friedman. Articulation of computer science curricula at the community colleges and the universities. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):149, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE-SIGCUE joint symposium on Computer science education.

Jehn:1974:JSC

- [Jeh74] L. A. Jehn. Joint session computer science and engineering education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(4):21–25, December 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Jones:1977:UCS

- [JK77] Warren T. Jones and Donald L. Kalmey. The utility of computer simulation as instructional devices for operating systems courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(4):55–56, December 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Jones:1975:NCS

- [Jon75a] Clinton E. Jones. Need for computer-supported instruction in minority institutions. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):12–20, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Jones:1975:POC

- [Jon75b] Warren T. Jones. A pragmatically oriented computer science degree program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):65–66, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Jones:1979:TAD

- [Jon79] Bush Jones. Teaching algorithm design. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(4):27–30, December 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Jordan:1972:RCS

- [Jor72] Sara R. Jordan. Review of “Computer Science Laboratory Exercises” by F. D. Federighi and E. D. Reilly, Jr. Riedinger & Riedinger, Schenectady, N. Y., 1971. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(3):36, October 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Jehn:1978:CSE

- [JRS78] Lawrence A. Jehn, David C. Rine, and Norman Sondak. Computer science and engineering education: Current trends, new dimensions and related professional programs. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):162–178, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Jensen:1978:PYS

- [JTF78] Randall W. Jensen, Charles C. Tonies, and William I. Fletcher. A proposed 4-year software engineering curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):84–92, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Johnston:1973:PPF

- [JW73] August L. Johnston, Jr. and Theodore C. Willoughby. Programming from prose, flowcharts or decision tables. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(4):4–7, December 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Jones:1978:CPV

- [JW78] Gerald A. Jones and Ann Marie Walsh. A course in program verification for programmers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):213–216, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Kalmey:1974:PCI

- [Kal74] Donald L. Kalmey. Profile of a computer and information science B.S. graduate. *SIGCSE Bulletin (ACM Special Interest Group on*

Computer Science Education), 6(1):40–45, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Kay:1974:CSR

- [Kay74] Alan C. Kay. Computer scientists' responsibility to educational research: a dynamic medium for creative thought. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):46, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Kearney:1975:CTY

- [Kea75] James F. Kearney. Curricula for two-year data-processing programs: a review and recommendation. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):143–147, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Keith:1976:SBC

- [Kei76] Ed Keith. A structured beginning COBOL class using structured programming with objectives. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):143–147, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Kerr:1978:PAI

- [Ker78] Douglas S. Kerr. Programming and algorithms II: a second course in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):45–49, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Koffman:1976:CAF

- [KF76] Elliot B. Koffman and Frank L. Friedman. A computer-aided flow diagram teaching system. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):350–354, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Konstam:1974:ALF

- [KH74] Aaron H. Konstam and John E. Howland. APL as a lingua franca in the computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):21–27, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Khallany:1975:ICC

- [KH75] Asad Khallany and Robert H. Holland. An introductory computer course in a school of business. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):39–42, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Khailany:1976:ICC

- [Kha76] Asad Khailany. An introductory COBOL course with structured programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):11–16, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Khailany:1977:ASC

- [Kha77a] Asad Khailany. Advanced structured COBOL programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):59–62, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Khailany:1977:ATS

- [Kha77b] Asad Khailany. Alternative teaching strategy for an introductory computer language course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):93–95, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Kline:1978:VDP

- [KHKD78] Russell B. Kline, Gary D. Hamor, Kenneth L. Krause, and Larry E. Druffel. Visual demonstration of program execution. *SIGCSE*

Bulletin (ACM Special Interest Group on Computer Science Education), 10(1):16–18, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Kimura:1977:RPE

- [Kim77] Takayuki Kimura. Recursive programming in English for freshmen. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):129–132, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Kimura:1978:HGC

- [Kim78] Izumi Kimura. A historical, generalistic, and complementary approach in introductory computer science education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):93–99, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Kimura:1979:RBC

- [Kim79] Takayuki Kimura. Reading before composition. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):162–166, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Kerr:1978:BMC

- [KK78] Douglas S. Kerr and Donald L. Kalmey. The Bachelor's and Master's computer science graduate. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):36, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Khalil:1978:AIC

- [KL78] Hatem Khalil and Leon S. Levy. The academic image of computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):31–33, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Koltun:1979:CLC

- [Kol79] Philip Koltun. “computers and the law”: a course description. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):236–239, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Komar:1970:LAE

- [Kom70] Joseph A. Komar. Liberal arts education in computers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):84–105, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Konstam:1975:SPP

- [Kon75] Aaron H. Konstam. Structured programming and the parallel algorithm. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):43–47, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Korfhage:1970:VIP

- [Kor70] Robert R. Korfhage. Visiting industrial professors and sabbaticals in industry. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):9–12, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Korfhage:1975:CBR

- [Kor75] Robert R. Korfhage. The case for B3 — a reply to Waxman. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(4):69–71, December 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). See [Wax75].

Kernighan:1974:PS

- [KP74] B. W. Kernighan and P. J. Plauger. Programming style. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):90–96, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). URL <ftp://ftp.math.utah.edu/pub/mirrors/ftp.ira.uka.de/bibliography/Misc/att.bib>. Proceedings of the 4th SIGCSE symposium on Computer science education.

Kennedy:1976:EEL

- [KP76] William E. Kennedy and James R. Pinkert. EDUSAC — an educational list processing system. *SIGCSE Bulletin (ACM Special*

Interest Group on Computer Science Education), 8(3):33–38, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Kuo:1974:AHC

- [KPM74] M. H. Kuo, G. A. Perdikaris, and T. E. Mueller. An analog/hybrid computer simulation of phase-locked-loops in motor speed control. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):101–105, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Kildall:1972:AEA

- [KR72] Gary A. Kildall and Alan B. Roberts. ALGOL-E: an experimental approach to the study of programming languages. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):127–135, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Kumar:1976:IUO

- [KR76] V. K. Kumar and James L. Rogers. Instructional uses of the olin experimental classroom. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):189–191, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Kenworthy:1979:STP

- [KR79] D. J. Kenworthy and K. A. Redish. Software team projects. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):37–40, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Krall:1972:RUR

- [Kra72] Edward J. Krall. Results of the use of a recursive function translator. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):110–115, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

King:1979:CCI

- [KRFS79] Ronald S. King, David C. Rine, DuWayne D. Furman, and William A. Schaefer. Competency in computer instruction in

Illinois Public Schools. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):89–100, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Krueger:1978:RTL

- [Kru78] Myron W. Krueger. Real-time laboratory for interdisciplinary computer projects. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):286–290, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Korfhage:1974:IIC

- [KS74] Robert R. Korfhage and Robert J. Smith. Individualized instruction in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):161–164, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Kirbach:1976:UME

- [KS76] Jürgen Kirbach and Joachim W. Schmidt. On the uses of models in education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):212–222, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Khailany:1978:CPT

- [KS78] Asad Khailany and Charles Saxon. Conducting project team classes in data processing. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):189–192, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Kugel:1975:HMA

- [Kug75] Peter Kugel. How to make abstract ideas more concrete. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):191–195, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

King:1978:CPA

- [KW78] Ronald King and John Walstrom. A course in personalized applications libraries. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):73–76, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Lake:1976:TPC

- [Lak76] Robin B. Lake. A training program in computer applications in the health sciences. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):89–91, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Lamie:1976:UGT

- [Lam76] Edward L. Lamie. Using GPSS to teach operating systems concepts. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):174–178, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE-SIGCUE joint symposium on Computer science education.

Lamie:1978:UID

- [Lam78] Edward L. Lamie. Using an instructional data base system in the undergraduate curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):59–64, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Lane:1975:HAT

- [Lan75] Malcolm G. Lane. A hands-on approach to teaching systems programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):23–30, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Little:1977:CRG

- [LAS⁺77] Joyce Currie Little, Richard H. Austing, Harice Seeds, John Maniotes, and Gerald L. Engel. Curriculum recommendations and

guidelines for the community and junior college career program in computer programming: a working paper of the association for computing machinery committee on curriculum in computer sciences by the sub committee on community and junior college curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(2):17–36, June 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Lavington:1978:PFC

- [Lav78] S. H. Lavington. Problems faced by a computer science department in a developing country. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):128–131, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Lawes:1974:DIC

- [Law74] C. Peter Lawes. Description of an introductory course in programming languages. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):69–78, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Lecarme:1974:SPP

- [Lec74] Olivier Lecarme. Structured programming, programming teaching and the language Pascal. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(2):9–15, June 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Lee:1972:CSC

- [Lee72] Hans E. Lee. Computers in society: a course description, purpose and rationale. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):97–102, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Leininger:1972:CRS

- [Lei72] C. W. Leininger. Computer related studies at a college of arts, sciences and education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(3):18–35, October 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Leinbaugh:1977:DPS

- [Lei77] Dennis Leinbaugh. A demand paging simulator. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9

(3):43–48, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Lemos:1978:CET

- [Lem78a] Ronald S. Lemos. The cost-effectiveness of team debugging in teaching Cobol programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):193–196, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Lemos:1978:FVF

- [Lem78b] Ronald S. Lemos. Factionalism versus fraternalism in computing: a plea for the latter. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):16–22, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Lemos:1979:TPL

- [Lem79] Ronald S. Lemos. Teaching programming languages: a survey of approaches. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):174–181, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Levine:1976:CCD

- [Lev76] David R. Levine. Computer-controlled display demonstrations of dynamic concepts in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):192–199, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Levine:1977:SIP

- [Lev77] David R. Levine. The simple internal procedure as an effective tool in the teaching and practice of structured PL/I. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):22–25, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Levine:1978:WIP

- [Lev78] David R. Levine. A workable interpreter project for a “Structured Programming” course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):38–44, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Levin:1979:USB

- [Lev79] Peter Levin. Using a single board microcomputer with a display in a computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):144–148, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Lewis:1974:MAI

- [Lew74] T. G. Lewis. Minicomputer assisted instruction. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):46–50, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Lewis:1975:ICS

- [Lew75] Jesse C. Lewis. Innovative computer services for minority colleges. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):7–10, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Lewis:1976:CSM

- [Lew76] Jesse Lewis. Computer science and minority colleges & universities: The Jackson state university NSF educational computing network. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):382–383, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Lee:1979:DEC

- [LHL79] Iva Helen Lee, Donna Hutcheson, and Joyce Currie Little. Data entry curricula guidelines: a working paper of the Community and

Junior College Subcommittee (CAJC) of the Curriculum Committee on Computer Education (C³E). *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(3):15–39, September 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Lewis:1976:UGP

- [LI76] Jesse C. Lewis and S. Sitharama Iynengar. A unique graduate program in computer science at Jackson state university. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):355–358, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Linder:1976:CTS

- [Lin76] William H. Linder. COMPUTER-TUTOR: From a student project to a self-paced CAI/CMI course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):57–60, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Lin:1978:MCS

- [Lin78] Benjamin M. Lin. Microprocessors in a computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):31–34, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Linder:1979:CSM

- [Lin79] William H. Linder. The computer science minor, a description and a proposal. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(2):40–42, June 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Lions:1970:PEP

- [Lio70] John Lions. Problems, exams, projects. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(2):37–41, June 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Little:1974:CCC

- [Lit74] Joyce Currie Little. The community colleges and Curriculum '68. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):98–102, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Little:1977:RTT

- [Lit77] Joyce C. Little. Report on three tutorials for SIGCSE Bulletin proceedings. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(4):7, December 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Lorton:1976:MSD

- [LK76] Paul Lorton, Jr. and Rosemary N. Killam. Modeling the student and the discipline in CAI drill and practice. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):223–235, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Leither:1978:WJC

- [LL78] Henry E. Leither and Harry R. Lewis. Why johny can't program: a progress report. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):266–276, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Lowther:1976:TGP

- [LM76] J. L. Lowther and Z. C. Motteler. Teaching good programming techniques. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(4):10–11, December 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Lopez:1978:IAC

- [Lop78] Antonio M. Lopez, Jr. An implementation of ACM Curriculum 77. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):47–52, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Loveman:1972:CAP

- [Lov72] David B. Loveman. A course in advanced programming for undergraduate computer science majors. *SIGCSE Bulletin (ACM Spe-*

cial Interest Group on Computer Science Education), 4(1):27–36, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Loveland:1974:PSM

- [Lov74] D. Loveland. Position statement: mathematical computer science courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):106–108, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Lovas:1975:ICP

- [Lov75] Charles M. Lovas. An instructional computer program library. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):129–132, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Lovas:1979:TCA

- [Lov79] Charles M. Lovas. Teaching computer applications using computer cases. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(2):23–26, June 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

LaFrance:1972:CSL

- [LR72] Jacques LaFrance and Waldo Roth. Computer science for liberal arts colleges. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(4):22–31, December 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

LaFrance:1973:CSL

- [LR73] Jacques LaFrance and R. Waldo Roth. Computer science for liberal arts colleges: a report of a workshop held at Wheaton College, Wheaton, Illinois, July 12–14, 1972. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):70–76, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Little:1976:RCR

- [LSA⁺76] Joyce Currie Little, Bobby Smith, Richard Austing, Eric Whiteside, and Charles Leidlich. A report on the curriculum recommendations of the ACM Sub-Committee for Community and Junior College Curriculum. *SIGCSE Bulletin (ACM Special Interest*

Group on Computer Science Education), 8(3):93, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Little:1976:RAA

- [LSL⁺76] Joyce Currie Little, Harice Seeds, Ronald Lenhardt, John Dineen, and John Maniotes. Report on ACM's Activity on Community and Junior College Curriculum Career Program in Computer Programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):267, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE-SIGCUE joint symposium on Computer science education.

Lancaster:1974:ECQ

- [LT74] Ronald L. Lancaster and Richard T. Thomas. Experience with Curriculum '68 and the quarter system. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(2):16–19, June 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Lancaster:1975:CSP

- [LT75] Ronald L. Lancaster and Richard T. Thomas. A computer science practicum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):76–78, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Lancaster:1976:RF

- [LT76] Ronald L. Lancaster and Richard T. Thomas. Reading Fortran. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(4):6–7, December 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Lochovsky:1978:TDM

- [LT78] F. H. Lochovsky and D. C. Tsihrizis. Teaching data management using an educational data base management system. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):65–69, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Lucas:1976:PAC

- [Luc76] William R. Lucas. Planned attitude change while teaching computer literacy. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):90–94, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Lusk:1977:AUC

- [Lus77] Ewing L. Lusk. An advanced undergraduate course in applied computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):28–29, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

MacEwen:1974:PPC

- [Mac74] Glenn H. MacEwen. A programming project for a course in operating systems. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(2):29–36, June 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

MacEachern:1979:SPA

- [Mac79] Alexander MacEachern. Sample programming assignment. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(4):7–10, December 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Malkin:1972:CST

- [Mal72] Judith G. Malkin. Computer science for teachers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):60–66, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Maniotes:1974:SUC

- [Man74] John Maniotes. The state of undergraduate computer and data processing programs at public universities in Indiana. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):53–58, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Mapp:1973:PBI

- [Map73] George A. Mapp. A proposal for a B.S. in information systems. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):91–94, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Martin:1972:CAI

- [Mar72] Don Martin. Computer aided instruction in system dynamics. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):53–56, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Marshall:1975:VU

- [Mar75] Sister Patricia Marshall. The view from down under. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):11–14, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Marsh:1976:TTA

- [Mar76] Barbara Marsh. Teaching teachers about computers: a course description. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):86–89, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE-SIGCUE joint symposium on Computer science education.

Mashey:1973:ATY

- [Mas73] John R. Mashey. ASSIST: Three year's experience with a student-oriented assembler. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):157–165, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Matula:1970:CPD

- [Mat70a] D. W. Matula. Course and program descriptions. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(1):12–15, March 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Matula:1970:ECA

- [Mat70b] David W. Matula. The emergence of computational arithmetic as a component of the computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):41–44, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Mathis:1974:TD

- [Mat74] Robert F. Mathis. Teaching debugging. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):59–63, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Mathis:1978:FCC

- [Mat78] Robert F. Mathis. A first course in computer science for graduate students. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):217–223, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Maurer:1971:PDP

- [Mau71] Ward Douglas Maurer. Ph. D prelim exams in computer systems. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(1):46–47, March 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Maurer:1977:TPC

- [Mau77] W. D. Maurer. The teaching of program correctness. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):142–144, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Mavaddat:1976:ETP

- [Mav76] F. Mavaddat. An experiment in teaching programming languages. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(2):45–59, June 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Mayes:1975:DCF

- [May75] Jesse J. Mayes. Development of computing at Federal City College. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):114–119, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Mazlack:1976:DCS

- [Maz76] Lawrence J. Mazlack. Does a computer have sexual preferences? *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):74–78, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Mazlack:1977:DCA

- [Maz77] Lawrence J. Mazlack. Developing computer awareness. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):184–187, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Mazlack:1978:UIF

- [Maz78] Lawrence J. Mazlack. The use of interactive Fortran. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):260–265, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Mazlack:1979:RCS

- [Maz79] Lawrence Mazlack. The role of computer science education in aiding technology transfer to less developed countries (panel discussion). *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):214, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Meinke:1976:IMC

- [MB76a] John G. Meinke and Charles R. Bauer. The IIT MST in computer science program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):35–38, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Meinke:1976:TST

- [MB76b] John G. Meinke and Charles R. Bauer. Topological sorting as a tool in curriculum planning. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):61–66, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Martin:1977:PPF

- [MB77] Edith W. Martin and Albert N. Badre. Problem formulation for programmers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):133–138, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Meinke:1979:SES

- [MB79] John G. Meinke and John A. Beidler. A software emphasis in the second course in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):192–194, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

McCharen:1974:DFC

- [McC74] John D. McCharen. A description of a first course in assembler language. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):36–43, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

McCurdy:1978:TTE

- [McC78] Robert McCurdy. Teaching toward error free programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):33, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

McFarland:1975:NPD

- [McF75] Robert H. McFarland. Notes from panel discussion on GRE advanced exams presented at fifth annual SIGCSE technical symposium. *SIGCSE Bulletin (ACM Special Interest Group on Computer*

Science Education), 7(4):44–46, December 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

McGinley:1973:TTU

- [McG73] Pamela R. E. McGinley. The training of teachers in the use of computers in the classroom. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):53–55, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

McAdams:1976:CGA

- [MD76] Joseph K. McAdams and Arlan R. DeKock. Computer graphics as an aid to teaching geometric transformations. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):137–143, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Mein:1977:TSP

- [Mei77] William J. Mein. Toward the specification of programs. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):139–141, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Mein:1979:CAC

- [Mei79] Wm J. Mein. Computer arts: Computer science in a liberal arts environment. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):224–227, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Menninga:1974:IPE

- [Men74] Larry D. Menninga. Introducing practical experience into Curriculum 68 through integration of courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):152–154, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Metzner:1979:CPD

- [Met79] John R. Metzner. Contesting (panel discussion). *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):75, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Mackey:1979:ACS

- [MF79] Karen Mackey and Howard Fosdick. An applied computer science/systems programming approach to teaching data structures. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):76–78, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Meissner:1975:BSM

- [MH75] Loren P. Meissner and Ruth L. Hinkins. B4Tran: a structured mini-language approach to the teaching of Fortran. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):200–205, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Moshell:1978:ISC

- [MHA78] J. M. Moshell, C. E. Hughes, and R. M. Aiken. An integrated small computer laboratory using a central disk storage facility. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):35–37, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Michalopoulos:1976:VDO

- [Mic76] Demetrios A. Michalopoulos. A video disc oriented educational system. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):389–392, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Mijares:1978:GPI

- [Mij78] C. Ignacio Mijares. A graduate program in information systems for the Latin American environment. *SIGCSE Bulletin (ACM Special*

Interest Group on Computer Science Education), 10(1):132–136, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Mills:1973:SCP

- [Mil73] H. D. Mills. On the structure of a computing profession. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):97–101, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Miller:1975:IOC

- [Mil75] Jim Miller. An industry oriented computer curriculum designed for the transfer student. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(4):50–52, December 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Miller:1978:IIM

- [Mil78] James E. Miller. Iterations on an instructional method for utilizing the computer in the classroom. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(4):30–31, December 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Mitchell:1979:AAS

- [Mit79] William Mitchell. Another approach to service courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):6–9, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Mize:1976:MAC

- [Miz76a] J. L. Mize. Making an academic curriculum relevant to business requirements. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(2):24–27, June 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Mize:1976:SPC

- [Miz76b] Jan L. Mize. Structured programming concepts in an introductory COBOL course. *SIGCSE Bulletin (ACM Special Interest Group*

on *Computer Science Education*), 8(3):135–142, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Mathis:1972:DMU

- [MK72] Robert F. Mathis and Douglas S. Kerr. Development of a multifaceted undergraduate program in computer and information science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):8–12, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Morgan:1973:ALP

- [MK73] Howard L. Morgan and James C. Kinard. ASAP: a language and philosophy for teaching file processing. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):21–23, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Moshos:1974:FRP

- [MK74] George J. Moshos and Kevin B. Kern. Final report of Phase III Master Plan Committee for Computer Science and Technology to New Jersey Department of Higher Education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(2):24–28, June 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Martin:1973:SHA

- [MM73] Johannes J. Martin and Therese Martin. Student help and automatic grading: The organization of a large service course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):138–141, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Magel:1978:PMD

- [MM78a] Kenneth Magel and Everaldo E. Mills. A professional Master's degree program in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):27–30, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Mitchell:1978:ICS

- [MM78b] William Mitchell and Bruce Mabis. Implementing a computer science curriculum merging two curriculum models. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):151–155, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Moursund:1976:CSE

- [MN76] David Moursund and Mike Neill. Computer science for elementary school teachers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):24–28, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Mocciola:1978:TTC

- [Moc78] Michael R. Mocciola. Teacher-training in computer science education in Western Australia: group projects. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):206–209, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Modesitt:1973:CSU

- [Mod73] Kenneth L. Modesitt. Computer science at a university regional campus. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(2):21–22, June 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Modesitt:1974:PVA

- [Mod74] Kenneth L. Modesitt. PSI: a valuable addition to the alphabet soup for computer science education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(2):37–44, June 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Moon:1970:CCS

- [Moo70] B. A. M. Moon. The challenge of computer science in New Zealand. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):61–68, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Moore:1979:FCF

- [Moo79] Freeman L. Moore. A first course on files. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):79–81, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Morris:1972:CSS

- [Mor72] Glenn Morris. Computer supported study of chemical equilibria. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):141–143, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Morton:1976:VTS

- [Mor76] Richard P. Morton. The variety of TICCIT systems — an overview. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):144–148, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Morrison:1977:TCF

- [Mor77] Louise S. Morrison. Training college faculty members in the educational uses of computers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):173–174, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Moursund:1974:CPC

- [Mou74] David Moursund. Computers in pre-college education: Oregon moves forward. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):169–173, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Moursund:1976:CCS

- [Mou76] David Moursund. Calculators and the computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(2):21–23, June 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Moursund:1977:CMG

- [Mou77] David Moursund. Calculator metaphors, and goals for calculator education in elementary schools. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):100–103, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Moursund:1978:OCS

- [Mou78] David Moursund. Opinions on computer science courses for precollege level teachers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):183–188, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Moursund:1979:CPE

- [Mou79] David Moursund. Computers in precollege education (panel discussion): What do teachers want or need? *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):140, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Murray:1978:UCS

- [MPS78] Bob Murray, Tom Policano, and John Sweeney. Using captioned slides to teach computer operations. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):80, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

McDanel:1976:ITP

- [MS76a] T. G. McDanel and E. J. Schweppe. An interactive turning/post/mixed machine simulator. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(2):36–40, June 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Morrison:1976:ACA

- [MS76b] Louise S. Morrison and Grover C. Simmons. Academic computing at Atlanta University Center — a consortium of six predominantly black institutions. *SIGCSE Bulletin (ACM Special Interest*

Group on Computer Science Education), 8(3):95–97, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Maguire:1977:ELF

- [MS77] R. Brien Maguire and L. R. Symes. Effect of laboratory facilities on computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):1–5, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Marsland:1973:CMS

- [MT73] T. A. Marsland and J. Tartar. A course in minicomputer systems. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):153–156, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Mullins:1976:CEC

- [Mul76] E. R. Mullins, Jr. Computer education for computing. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(4):4–5, December 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Muscat:1976:SSM

- [Mus76] Eugene J. Muscat. Secondary school model automatic test generation. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):113–115, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE-SIGCUE joint symposium on Computer science education.

Nahapetian:1979:CSS

- [Nah79] Armen Nahapetian. Computer science (subjectively) defined. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(4):11–14, December 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Nanney:1976:CSE

- [Nan76] T. Ray Nanney. Computer science: an essential course for the liberal arts. *SIGCSE Bulletin (ACM Special Interest Group on*

Computer Science Education), 8(3):102–105, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Nartker:1970:CPD

- [Nar70] T. A. Nartker. Course and program descriptions. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(4):41–53, September/October 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Neidleman:1976:MSP

- [Nei76] L. D. Neidleman. The Master of Science Program in Computer and Information Science at San Jose State University. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):359–365, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Neill:1977:STR

- [Nei77] Michael J. Neill. Some thoughts on reasons, definitions and tasks to achieve “functional” computer literacy. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):175–177, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Nelson:1971:KSU

- [Nel71] Bradley Nelson. Kansas State University’s traveling seminar. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(2):19–21, June 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Nelson:1978:AIT

- [Nel78] Randolph Nelson. An approach to improved textbook writing. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(4):47–51, December 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Newman:1973:ATT

- [New73] J. Richard Newman. Alternative teaching techniques in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Com-*

puter Science Education), 5(4):29–32, December 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Newsted:1975:GAP

- [New75] Peter R. Newsted. Grade and ability predictions in an introductory programming course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):87–91, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Nievergelt:1978:XSE

- [NFB⁺78] J. Nievergelt, H. P. Frei, H. Burkhart, C. Jacobi, B. Pattner, H. Sugaya, B. Weibel, and J. Weydert. XS-0: a self-explanatory school computer. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(4):66–69, December 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Nielsen:1970:NCC

- [Nie70a] Norman R. Nielsen. Network computing for computer science departments. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):24–29, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Nievergelt:1970:SLL

- [Nie70b] J. Nievergelt. Syllabus for low level performance for the qualifying examination in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(2):43–53, June 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Nielsen:1972:SRC

- [Nie72] Norman R. Nielsen. Social responsibility and computer education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):90–96, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Noe:1973:UEC

- [Noe73] Jerre D. Noe. University education in computer measurement and evaluation. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(2):8–12, June 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Noonan:1979:SCC

- [Noo79] Robert E. Noonan. The second course in computer programming: Some principles and consequences. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):187–191, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Norris:1974:ADP

- [Nor74] Fletcher R. Norris. An algorithm for determining perfect squares. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):8–12, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Nievergelt:1973:AIC

- [NR73] Jurg Nievergelt and Edward M. Reingold. Automating introductory computer science courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):24–25, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Newton:1976:TBP

- [NS76] Glen E. Newton and J. Denbigh Starkey. Teaching both PL/I and Fortran to beginners. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):106–107, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Nievergelt:1970:CES

- [NT70] J. Nievergelt and Wenneth J. Travers. Computer education for secondary school mathematics teachers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):75–83, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Nievergelt:1974:TMA

- [NW74] Jurg Nievergelt and Thomas R. Wilcox. From teaching-machine to automatic tutor: The changing man-machine interface. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):46, February 1974. CODEN SIGSD3. ISSN 0097-8418

(print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Nagy:1978:PPP

- [NW78] G. Nagy and L. Wilson. Program portability from the perspective of students at the University of Nebraska. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):59–62, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Oliver:1973:NUC

- [Oli73] James R. Oliver. The need to upgrade computer science curricula. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(4):14–18, December 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Olivieri:1974:PLU

- [Oli74] C. Peter Olivieri. Programming language usage and areas of concentration in computer sciences education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):33–35, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Omlor:1978:SPC

- [Oml78] J. Dennis Omlor. Structured programming for computer science majors. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):34, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Oldehoeft:1977:MTI

- [OR77] R. R. Oldehoeft and R. V. Roman. Methodology for teaching introductory computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):123–128, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Ortega:1974:NAP

- [Ort74] James M. Ortega. Numerical analysis position. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6

(3):86–87, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Ottenstein:1976:AAD

- [Ott76] Karl J. Ottenstein. An algorithmic approach to the detection and prevention of plagiarism. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(4):30–41, December 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). URL <ftp://ftp.math.utah.edu/pub/mirrors/ftp.ira.uka.de/bibliography/Misc/virtual-machines.bib>.

Oliver:1973:SPS

- [OWE73] Richard C. Oliver, H. E. Wright, and W. C. Elrod. Statistical parameters in a shear flow field. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):121–124, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Pagan:1978:RCP

- [Pag78] Frank G. Pagan. The role of a comparative programming languages course in the computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):22–23, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Palay:1976:SUT

- [Pal76] Roger M. Palay. The structure and use of a test generating system designed to facilitate individually paced instruction. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):100–103, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Parnas:1972:CSE

- [Par72] D. L. Parnas. A course on software engineering techniques. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):154–159, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Pitts:1973:TYC

- [PB73] Gerald N. Pitts and Barry Bateman. A two year computer science program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):38–40, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Pitts:1974:SOC

- [PB74] Gerald N. Pitts and Barry Bateman. A software oriented computer science program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):33–36, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Pitts:1977:SAP

- [PB77] Gerald N. Pitts and Barry L. Bateman. A structured approach to problem solving at the introduction level in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):168–172, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Platt:1976:EPC

- [PC76] Joan Platt and Jeanne Curran. An experimental program in computer usage for secondary students. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):84–85, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Powell:1979:CPE

- [PDS⁺79] James D. Powell, J. Richard Dennis, William Schaeffer, James E. Gray, and Robert Taylor. Computers in precollege education (panel discussion): What are colleges of education doing? *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):167, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Pitts:1973:CSP

- [PE73] Gerald N. Pitts and Roy S. Ellzey. Computer science — a professional degree. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(4):8–11, December 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Peck:1975:PCS

- [Pec75] Josephine Peck. A proposed Computer Science curriculum for two-year colleges. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):148–156, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Peck:1977:USD

- [Pec77] John C. Peck. The university — a systems development center for state government or how to solve the education vs. training problem. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):1–5, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Peelle:1976:LMR

- [Pee76] Howard A. Peelle. Learning mathematics with recursive computer programs. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):116–130, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Phister:1976:PCD

- [Phi76] M. Phister, Jr. A proposed course on data processing economics. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):260–265, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Poore:1974:TCH

- [PK74] Jesse H. Poore, Jr. and Carl J. Kropff. Teaching computer hardware organization with a simulator. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(4):36–48,

December 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Powell:1978:SVP

- [PL78] J. D. Powell and M. J. Lee. Simulation as a vehicle for project experience. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):63–66, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Poirot:1976:CDT

- [Poi76] J. L. Poirot. A course description for teacher education in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):39–48, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Poirot:1978:CLE

- [Poi78] J. L. Poirot. Computers in law enforcement: a service course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(4):32–34, December 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Poirot:1979:CES

- [Poi79] James L. Poirot. Computer education in the secondary school: Problems and solutions. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):101–104, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Pollack:1972:LSS

- [Pol72] Seymour M. Pollack. A look at the second SIGCSE technical symposium. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(2):14–15, July 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Pollack:1978:DUI

- [Pol78] Seymour Pollack. Design and use of instructional tools for computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):1–6, February 1978. CODEN

SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Posch:1979:MHS

- [Pos79] Reinhard Posch. Modelling a hardware structure for computer science education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(2):60–68, June 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Powell:1978:UMC

- [Pow78a] James D. Powell. Use of model curricula in reviewing established programs. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(4):12–15, December 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Powers:1978:DPP

- [Pow78b] Michael J. Powers. The directed project: a poor man's internship. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):97, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Powell:1979:AOI

- [Pow79] James D. Powell. An application oriented introductory computer science sequence. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):49–53, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Pavlak:1977:AFE

- [PP77] Raymond Pavlak, Jr. and Adir Pridor. Assembler in a Fortran environment with a new debugging aid. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(4):63–69, December 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Prather:1976:ALD

- [Pra76] Ronald E. Prather. Another look at the discrete structures course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):247–252, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the

SIGCSE–SIGCUE joint symposium on Computer science education.

Perry:1978:PEU

- [PS78a] James M. Perry and Norman E. Sondak. The project experience in undergraduate computer science education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):21–30, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Pinkert:1978:OBD

- [PS78b] J. Pinkert and K. Schenk. Only a Baker’s dozen. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):81–84, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Prather:1978:LLA

- [PS78c] Ronald E. Prather and Judith D. Schlesinger. A lecture/laboratory approach to the first course in programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):115–118, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Pumplin:1975:SET

- [Pum75] Bruce A. Pumplin. A simple example of the top-down approach to algorithm development. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(3):35–37, September 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Purdy:1975:GCD

- [Pur75] J. Gerry Purdy. A graduate course in database management. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):21–26, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Plum:1974:TSP

- [PW74] T. W. S. Plum and G. M. Weinberg. Teaching structured programming attitudes, even in APL, by example. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):133–143, February 1974. CODEN SIGSD3. ISSN 0097-8418

(print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Perry:1975:MCP

- [PW75a] James T. Perry and Terry E. Weymouth. A modified chief programmer team approach to an operating systems class project. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):31–39, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Porter:1975:PTA

- [PW75b] Charles H. Porter and Nesa Labbe Wu. Programming for terminal applications. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(3):77–82, September 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Radue:1976:TEF

- [Rad76] J. E. Radue. On the teaching and evaluation of a Fortran service course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(2):32–35, June 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Ragsdale:1976:MDP

- [Rag76] Ronald G. Ragsdale. Multi-disciplinary programming exercises. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):295–297, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Ragsdale:1979:BPP

- [Rag79] Ronald G. Ragsdale. A Basic program package for introducing the top-down approach to computer programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):113–117, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Ralston:1971:FFC

- [Ral71] Anthony Ralston. Fortran and the first course in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(4):24–29, December 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Randolph:1975:CFS

- [Ran75] Robert H. Randolph. Computer facility: Starter kit. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):15–19, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Rink:1977:FNU

- [RD77] R. A. Rink and G. Droucas. A further note on using GPSS to study a student-operating system. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(4):45–52, December 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Reisman:1971:HCC

- [Rei71] Sorel Reisman. A hypothetical computer configuration. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(4):19–21, December 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Reilly:1972:PEP

- [Rei72] Edwin D. Reilly. Problems, exams, projects. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(2):28, July 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Reisman:1973:SPP

- [Rei73] Sorel Reisman. A survey of pedagogical programming languages. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(2):13–20, June 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Ripley:1978:LCS

- [RGH78] Jerald L. Ripley, Jarrell C. Grout, and Denis M. Hyams. The laboratory in a computer science program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):12–16, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Rahimi:1973:ECS

- [RH73] M. A. Rahimi and H. G. Hedges. Evolution of a computer science academic program in a college of engineering. *SIGCSE Bulletin*

(*ACM Special Interest Group on Computer Science Education*), 5(1):110–114, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Rheinboldt:1973:CRC

- [Rhe73] Werner C. Rheinboldt. The CUPM recommendations on a computational mathematics program and on the impact of computers on undergraduate mathematics courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):83–85, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Rickman:1975:FSP

- [Ric75] Jon Rickman. File structures position paper. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):48–50, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Rine:1978:CCS

- [Rin78] David C. Rine. Curricula in computer science and engineering: needs and alternatives. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):99–106, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Ripley:1975:CEP

- [Rip75] G. David Ripley. A course in effective programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):102–108, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Rose:1971:ATA

- [RJB71] Lawrence L. Rose, Neil D. Jones, and Bruce H. Barnes. Automata: a teaching aid for mathematical machines. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(1):12–20, March 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Robertson:1975:PFC

- [Rob75] Edward L. Robertson. The problems facing computer science education in developing nations. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):56–60, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Rogers:1978:PTC

- [Rog78] James L. Rogers. Problems of teaching computer history in introductory courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):239–242, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Rood:1972:PEP

- [Roo72] Robert E. Rood. Problems, exams, and projects: Computer systems U302. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(4):32–44, December 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Rosin:1971:FNC

- [Ros71] Robert F. Rosin. Fortran and the new culture. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(1):10–11, March 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Rosenberg:1976:ICS

- [Ros76] Ivan M. Rosenberg. Introductory computer science courses a modular design. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):49–61, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Roth:1972:CSC

- [Rot72] R. Waldo Roth. A computer science curriculum for a liberal arts college. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):37, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Roth:1975:SFT

- [Rot75] R. Waldo Roth. Students and faculty training in systems analysis. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):67–73, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Roth:1978:BCD

- [Rot78] R. Waldo Roth. A beginning curriculum in data processing: for Native American students. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):137–148, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Ruby:1976:SCS

- [Rub76] Douglas A. Ruby. A survey on computer science curricula. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):313–323, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Ruschitzka:1977:OSI

- [Rus77] Manfred Ruschitzka. An operating systems implementation project for an undergraduate course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):77–84, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Sterling:1978:CSE

- [SAK⁺78] Theodor Sterling, F. K. Allotey, Asad Khailany, Maria Lucia Blanck Lisboa, Ignacio Mijares, and Edward Robertson. Computer science education in developing countries. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):179, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Salton:1973:IPC

- [Sal73] Gerard Salton. Introductory programming at cornell. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):18–20, February 1973. CODEN SIGSD3. ISSN

0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Salako:1976:FMI

- [Sal76] Abimbola Salako. A functional model of instructional programs. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):393–399, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Salomon:1977:THC

- [Sal77] David Salomon. Teaching hardware and computer design in a software oriented computer science program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):49–50, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Sammet:1971:PTU

- [Sam71] Jean E. Sammet. Proposed technological updating course for programmers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(1):25–33, March 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Sampson:1974:IAS

- [Sam74] Jeffrey R. Sampson. An introductory adaptive systems course for undergraduate computer science majors. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):148–151, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Sammet:1975:DCG

- [Sam75] Jean E. Sammet. Description of course given on “computers in the humanities and social science”. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):133–142, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Sangare:1978:CLI

- [San78] Demba Sangare. Communication sur “l’enseignement de l’informatique dans les pays en voie de développement”. (French) [Communication

on “the teaching of computer science in developing countries”]. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):149–152, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Sapega:1975:DIC

- [Sap75] A. E. Sapega. Development and implementation of a computing major program based on suggested ACM curricula at an undergraduate liberal arts college. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):65–67, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Steinhorst:1974:CDU

- [SB74] G. Cort Steinhorst and Barry L. Bateman. Curriculum development for an undergraduate course in data and information structures. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(2):20–23, June 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Smith:1976:GSU

- [SB76] Robert L. Smith and Lee H. Blaine. A generalized system for university mathematics instruction. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):280–288, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Sanders:1976:SSC

- [SBS76] William R. Sanders, Gerard V. Benbassat, and Robert L. Smith. Speech synthesis for computer assisted instruction: The MISS system and its applications. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):200–211, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Schwenkel:1971:RND

- [Sch71] Frieder Schwenkel. Remarks on the Notre Dame computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on*

Computer Science Education), 3(1):36–40, March 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Schwepe:1973:DIM

- [Sch73] Earl J. Schwepe. Dynamic instructional models of computer organizations and programming languages. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):26–31, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Schulman:1977:TUC

- [Sch77] Edward L. Schulman. Turning on the undergraduate computer science student: a RE-IPL suggestion. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):178–179, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Schneider:1978:IPC

- [Sch78a] G. Michael Schneider. The introductory programming course in computer science: ten principles. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):107–114, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Schrage:1978:INC

- [Sch78b] John F. Schrage. Industrial needs culminated in business applications course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):85, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Schneider:1979:YAS

- [Sch79] G. Michael Schneider. Yet another survey of graduate programs in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(2):52–59, June 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Schneider:1978:SSI

- [SCM78] M. L. Schneider, N. S. Coulter, and J. C. Munson. A successful student internship program. *SIGCSE Bulletin (ACM Special*

Interest Group on Computer Science Education), 10(1):98, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Sebaugh:1976:SAI

- [Seb76] Jeanne L. Sebaugh. The stepwise approach to introductory programming projects with examples. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):372–381, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Semple:1973:ECS

- [Sem73] Wolsey A. Semple. Evolution of a computer science program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):115–118, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Senn:1974:POP

- [Sen74] James A. Senn. A problem oriented pedagogy for computer language instruction. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(4):26–29, December 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Spence:1978:SAD

- [SG78] J. Wayne Spence and Jarrell C. Grout. Systems analysis and design in a computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(4):24–27, December 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Shaw:1972:ICC

- [Sha72] Mary Shaw. Immigration course in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(2):16–27, July 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Shaw:1973:ICC

- [Sha73] Mary Shaw. Immigration course in computer science: teaching materials and 1972 schedule. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(2):26–32, June

1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Swanson:1979:CDI

- [SHLS79] Trevor Swanson, Richard Hatch, Lee Lane, and Norman Sondak. Curriculum development in information systems. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):202–206, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Shneiderman:1971:CSE

- [Shn71] Ben Shneiderman. Computer science education and social relevance. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(1):21–24, March 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Shneiderman:1977:EIP

- [Shn77] Ben Shneiderman. Evaluating introductory programming textbooks: a guide for students, instructors, authors and publishers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):56–58, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Shub:1979:IRS

- [Shu79] Charles M. Shub. Isolated rural schools can have computers and teachers who can utilize them. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):105–112, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Senn:1979:BER

- [SI79] James A. Senn and Blake Ives. Behavioral education requisites for application-oriented computer scientists. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):195–201, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Sjoerdsma:1976:IPA

- [Sjo76] Ted Sjoerdsma. An interactive pseudo-assembler for introductory computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):342–349, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Sammet:1974:RFD

- [SLC⁺74] Jean E. Sammet, Robert Lechner, Richard G. Canning, Joseph Cunningham, George G. Dodd, Alex A. J. Hoffman, Anthony Ralston, and Frederic G. Withington. Recommended future directions for ACM. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(4):5–12, December 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Sloan:1974:CAU

- [Slo74] M. E. Sloan. Computer architecture in U.S. and Canadian electrical engineering departments. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):111–115, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Slonneger:1976:CA

- [Slo76] K. Slonneger. Computer attitudes. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(4):26–29, December 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Shapiro:1976:NAT

- [SM76] Henry D. Shapiro and M. Dennis Mickunas. A new approach to teaching a first course in compiler construction. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):158–166, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Smith:1976:UDF

- [Smi76] James A. Smith. The use of data flow diagrams in an introductory course in assembly language programming and machine architecture. *SIGCSE Bulletin (ACM Special Interest Group on Computer*

Science Education), 8(4):42–52, December 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Smillie:1978:ICS

- [Smi78] K. W. Smillie. An introductory computing science course for liberal arts students. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):63–65, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Smith:1979:SLA

- [Smi79] James Smith. The small liberal arts college: a challenge for computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):220–223, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Smoliar:1976:MS

- [Smo76a] Stephen W. Smoliar. Meditations on style. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):75–77, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Smoliar:1976:WFY

- [Smo76b] Stephen W. Smoliar. What is a first-year computer science graduate student? *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):304–306, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Snyder:1970:CSI

- [Sny70] Mitchell Snyder. Computer science in Israel’s institutions of higher learning. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):69–74, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Sobel:1976:HMC

- [Sob76] Helen L. Sobel. How much CAI is hidden in commercial software? *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):253–259, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the

SIGCSE–SIGCUE joint symposium on Computer science education.

Solomon:1976:LCC

- [Sol76] Cynthia J. Solomon. Leading a child to a computer culture. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):79–83, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Solntseff:1978:PLI

- [Sol78] N. Solntseff. Programming languages for introductory computing courses: a position paper. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):119–124, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Solntseff:1979:CSM

- [Sol79] N. Solntseff. A computer science microcomputer laboratory. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):149–154, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Sommerville:1977:MLP

- [Som77] Ian Sommerville. Machine language programming in an undergraduate computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):104–107, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Sondak:1975:CSM

- [Son75] Norman E. Sondak. A computer science minor for engineering and science students. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(4):19–24, December 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Sondak:1978:CSE

- [Son78] Norman Sondak. A computer science educational software exchange. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):74–78, February 1978. CODEN

SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Sterling:1970:EUI

- [SP70] T. Sterling and S. Pollack. Experience with a “universal” introductory course in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(3):106–112, November 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Sterling:1974:TSI

- [SP74] T. D. Sterling and S. V. Pollack. Teaching simulators or ideal teaching machines. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(2):45–56, June 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Smith:1979:UFM

- [SP79] Donald R. Smith and James T. Palmer. Universal fixed messages and the Rivest–Shamir–Adleman cryptosystem. *Mathematika*, 26(1):44–52, 1979. CODEN MTKAAB. ISSN 0025-5793.

Stubbs:1973:IGE

- [SR73] D. F. Stubbs and D. W. Roberts. Implementing Gauss elimination. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(3):18–24, September 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Smith:1976:SLP

- [SR76] Carol Smith and Jon Rickman. Selecting languages for pedagogical tools in the computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):39–47, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

Sistare:1974:IDC

- [SS74] John H. Sistare and Norman E. Sondak. Introduction to digital computer programming an IPI approach. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):184–194, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Svoboda:1979:CAD

- [SS79] Rudy Svoboda and Robert Sedlmeyer. Computer-aided design of graphical review lessons for audio-tutorial college algebra and trigonometry. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):232–235, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Stoddard:1979:BDI

- [SSL79] S. D. Stoddard, R. L. Sedlmeyer, and R. G. Lee. Breadth or depth in introductory computer courses: a controlled experiment. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):41–44, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Stark:1972:CSN

- [Sta72] Richard H. Stark. Computer science needs its laboratory. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):46–48, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Steinberg:1972:SPP

- [Ste72] David I. Steinberg. A student project on political redistricting by computer. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):86–89, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Stern:1978:DBC

- [Ste78] Myles Stern. A data base course for business students. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):70–73, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Sticha:1973:ECS

- [Sti73] Philip E. Sticha. Experience with computer science at a two year college. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):41–44, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Stokes:1974:CSD

- [Sto74a] Gordon E. Stokes. Computer science department service courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):28–29, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Stokes:1974:SCP

- [Sto74b] Gordon E. Stokes. Service course position paper. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(3):18–20, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Stone:1975:ICS

- [Sto75] Fred W. Stone. Innovative computer services at a developing institution. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):120–122, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Stoddard:1977:MSI

- [Sto77] Spotswood D. Stoddard. Minicomputer selection and implementation. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):6–12, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Stoddard:1978:MCC

- [Sto78] Spotswood D. Stoddard. A mini computer course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):157–159, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Stubbs:1971:BDP

- [SW71] D. F. Stubbs and N. W. Webre. Bachelor's degree program in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(3):10–14, September 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Shapiro:1974:IVS

- [SW74a] Stuart C. Shapiro and Douglas P. Witmer. Interactive visual simulators for beginning programming students. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):11–14, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Sterling:1974:SFO

- [SW74b] T. D. Sterling and J. J. Weinkam. The Simon Fraser one track universal curriculum for computing science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):28–32, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Szalajka:1979:ITP

- [SW79] Walter S. Szalajka and Philip Walch. Integrated theory and practice — an approach to the first computer science course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):45–48, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Swigger:1976:LTP

- [Swi76] Kathleen M. Swigger. Learning theory and political socialization: a module for computer assisted instruction. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):289–294, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Taylor:1977:TPB

- [Tay77] Robert P. Taylor. Teaching programming to beginners. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):88–92, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Taylor:1979:GRT

- [Tay79] Robert P. Taylor. Graduate remedial training in computing for educators. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):168–173, February 1979. CODEN

SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Tam:1977:PET

- [TB77] W. C. Tam and S. N. Busenberg. Practical experience in top-down structured software production in an academic setting. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):31–36, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Tcheng:1975:UCS

- [Tch75] Mike T. Tcheng. The undevelopment of a computer science program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):74–77, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Tharp:1979:ICP

- [Tha79] Alan L. Tharp. Interactive computing in a project-oriented file organization course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):82–86, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Thomas:1974:CAC

- [Tho74] Richard T. Thomas. Computer architecture in the computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):116–120, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Thorhallsson:1975:HCA

- [Tho75] Jon Thorhallsson. High-school curriculum adopts first semester college computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(3):17–18, September 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Thomas:1979:DIC

- [Tho79] Paul A. V. Thomas. DRAW(IT)N — a computer graphics education package. *SIGCSE Bulletin (ACM Special Interest Group*

on Computer Science Education), 11(1):228–231, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Thurber:1979:CSC

- [Thu79] Kenneth J. Thurber. A course structure: computer communications subsystems. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(4):15–24, December 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Trickey:1979:EOM

- [TL79] H. Trickey and E. S. Lee. Experience with OLGA, a maximal language for the minimal PDP-11 minicomputer. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):240–244, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Tremblay:1974:FCD

- [TM74] J. P. Tremblay and R. Manohar. A first course in discrete structures with applications to computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):155–160, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Thompson:1977:ILS

- [TMWD77] William B. Thompson, Thomas G. Moher, William T. Wood, and David W. DeHerder. An instrumental laboratory for systems software development. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(4):38–40, December 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Tartar:1972:UEC

- [TP72] J. Tartar and J. P. Penny. Undergraduate education in computing science: some immediate problems. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):1–7, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Tracz:1974:UAP

- [Tra74] Will Tracz. The use of ATOPSS for presenting elementary operating system concepts. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):74–78, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Traub:1976:SGO

- [Tra76] J. F. Traub. Some general observations on Ph.D. production in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(4):8–9, December 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Trombetta:1979:TPA

- [Tro79] Michael Trombetta. On testing programming ability. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(4):56–60, December 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Tremblay:1975:ICD

- [TS75] J. P. Tremblay and P. G. Sorenson. An introductory course in data structures with applications. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(3):50–57, September 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Thalmann:1978:DCB

- [TT78a] Nadia Thalmann and Daniel Thalmann. Direct connection between Compiling Techniques and Databases courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):131–135, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Thalmann:1978:UPT

- [TT78b] Nadia Thalmann and Daniel Thalmann. The use of PASCAL as a teaching tool in introductory, intermediate and advanced computer science courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):277–281, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Unger:1976:IAC

- [UA76] E. A. Unger and N. Ahmed. An instructionally acceptable cost effective approach to a general introductory course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(2):28–31, June 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Varanelli:1978:EIU

- [Var78] Andrew Varanelli. An effectiveness index for use in university computing center management. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):232–238, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Varanelli:1979:CEM

- [Var79a] Andrew Varanelli, Jr. Computer education in the management curriculum at Pace University. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):2–5, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Varden:1979:TPD

- [Var79b] Stuart A. Varden. Teaching program design through program structure maps. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):182–186, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Vawter:1976:UIT

- [Vaw76] Richard Vawter. The use of information theory and personal probabilities in computer based learning. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):284–288, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

vanDam:1976:SPA

- [vDDDN76] Andries van Dam, Jens M. Dill, Douglas F. Dixon, and David S. Notkin. Structured programming in assembly language. *SIGCSE*

Bulletin (ACM Special Interest Group on Computer Science Education), 8(4):53–67, December 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

vandeRiet:1979:LLC

- [vdR79] R. P. van de Riet. The little language compiler course project. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(4):31–48, December 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

vanDam:1974:SIA

- [vDSMM74] Andries van Dam, Charles M. Strauss, Clement McGowan, and Jean Morse. A survey of introductory and advanced programming courses. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):174–183, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Vickers:1971:DCS

- [Vic71a] F. D. Vickers. Data on computer science departments/curricula. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(4):40–45, December 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Vickers:1971:ISL

- [Vic71b] F. D. Vickers. An information system for a large course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(3):7–10, September 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Vishnubhotla:1977:LAT

- [Vis77] Sarma R. Vishnubhotla. A logical approach to teach digital computer design at logic and systems level. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):13–21, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Vishnubhotla:1978:PTM

- [Vis78] Sarma R. Vishnubhotla. A project to teach microprogrammed asynchronous system design. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):291–296,

February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Weiner:1974:AMI

- [WA74] Leonard H. Weiner and William P. Allaire. The author-mode interface for the ASAG assignment generating system. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):15–20, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Wagener:1975:SFP

- [Wag75] J. L. Wagener. Structured FORTRAN programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):206–211, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Wainwright:1979:SFC

- [Wai79] Roger Wainwright. A survey of faculty computer experience, usage, needs, literacy and attitudes. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(2):27–35, June 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Waksman:1978:IRG

- [Wak78] Abraham Waksman. On the introduction of report generating system design concepts in an introductory course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):42–43, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Walker:1973:CSC

- [Wal73] Terry M. Walker. Computer science curricula survey. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(4):19–28, December 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Walker:1974:ECS

- [Wal74] Terry M. Walker. An evaluation of computer science curricula. *SIGCSE Bulletin (ACM Special Interest Group on Computer Sci-*

ence Education), 6(3):81–85, September 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Ward:1975:CDE

- [War75a] Darrell L. Ward. A cooperative development effort of a computer science program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):78–83, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Wardle:1975:CSP

- [War75b] Caroline Wardle. A computer science program at a college with limited resources. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):68–70, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Waxman:1975:RBD

- [Wax75] Jerry Waxman. Reflections on B3, discrete structures. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(2):51–54, June 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). See reply [Kor75].

Weaver:1978:MCS

- [Wea78] Alfred C. Weaver. Microcomputers in the computer science curriculum. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):171–176, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Weaver:1979:UMT

- [Wea79] Alfred C. Weaver. Using microcomputers to teach computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 11(1):141–143, February 1979. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 10th SIGCSE Symposium on Computer Science Education.

Webb:1973:STP

- [Web73] G. L. Webb. Some thoughts on program structure. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(3):8–12, September 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Webre:1975:MPB

- [Web75] Neil Webre. The Master's practicum: a bridge over the Industry/University Gap. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 7(1):79–82, February 1975. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 5th SIGCSE symposium on Computer science education.

Wegner:1970:STG

- [Weg70] Peter Wegner. Some thoughts on graduate education in computer science. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(4):30–40, September/October 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Wegner:1971:PCS

- [Weg71] Peter Wegner. Problem of computer science education in small colleges. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(3):15–18, September 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Weiner:1973:MGA

- [Wei73] Leonard H. Weiner. Machine generation of assignments for a mass education introductory programming course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):181–185, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Weiner:1977:FCS

- [Wei77] Leonard H. Weiner. Foundations of computer science for entry-level graduate students. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):6–9, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Weiner:1978:RSP

- [Wei78] Leonard H. Weiner. The roots of structured programming. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):243–254, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Welch:1976:TPD

- [Wel76] John T. Welch, Jr. Tab, a program design language for the classroom. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(3):48–53, July 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 6th SIGCSE Symposium on Computer Science Education.

West:1972:PAI

- [Wes72] Sheridan J. West. Providing adequate instruction to data processing students spread over a wide geographical area. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):24–26, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Walker:1973:PPO

- [WH73] Justin C. Walker and Charles E. Hughes. POPSS — a parametric operating system simulator. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):166–169, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Whithed:1972:TAD

- [Whi72] Marshall H. Whithed. Technological analysis and democratic policy-making. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(1):75–85, March 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Whitlock:1977:DID

- [Whi77] Lawrence R. Whitlock. The design and implementation of a dynamically tailored examination. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(3):59–62, August 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue on the Eighth Technical Symposium on Computer Science Education.

Willoughby:1972:UPD

- [Wil72] Theodore C. Willoughby. An upside down PH.D. program. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(4):8–10, December 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Willoughby:1973:SAT

- [Wil73] Theodore C. Willoughby. Student attitudes toward computers. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):145–148, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Williams:1976:ECA

- [Wil76a] Kenneth Williams. An experimental course in advanced programming methods. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(4):15–18, December 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Willis:1976:CSC

- [Wil76b] Neil Willis. Computing science courses — training or education? *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):298–303, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Williams:1978:SCT

- [Wil78] Kenneth Williams. SIGCSE/CSA 1978 technical symposium report. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(2):8–9, June 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Winslow:1977:SIC

- [Win77] L. Winslow. A structured introductory computer science course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):165–167, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Winner:1978:ICC

- [Win78] Robert I. Winner. An intermediate course on computer systems. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):210–212, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Woolley:1974:LSL

- [WM74] John D. Woolley and Leland R. Miller. LINUS: a structured language for instructional use. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):125–128, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Wolfe:1976:AQG

- [Wol76a] John H. Wolfe. Automatic question generation from text — an aid to independent study. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):104–112, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Wolkov:1976:TCB

- [Wol76b] David Wolkov. Teaching a computer-based college level statistics course in a secondary school. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 8(1):131–136, February 1976. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the SIGCSE–SIGCUE joint symposium on Computer science education.

Woodhouse:1978:PJP

- [Woo78] D. Woodhouse. Programming the Josephus problem. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(4):56–58, December 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Worlana:1978:UAC

- [Wor78] Peter B. Worlana. Using the ACM computer science curriculum recommendations in a liberal arts college. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(4):16–19, December 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Weymouth:1977:MOS

- [WP77] Terry E. Weymouth and James T. Perry. A multiprogramming operating system for a minicomputer. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 9(1):69–72, February 1977. CODEN SIGSD3. ISSN 0097-8418 (print),

2331-3927 (electronic). Special issue for the Seventh Technical Symposium on Computer Science Education.

Winkel:1978:CSP

- [WP78a] David Winkel and Franklin Prosser. Computer science is the proper home for digital hardware design. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(1):153–156, February 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Papers of the SIGCSE/CSA Technical Symposium on Computer Science Education.

Winrich:1978:PIC

- [WP78b] Lonny B. Winrich and Charles G. Petersen. A pragmatic implementation of Curriculum '77 at the University of Wisconsin: La Crosse. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(4):37–41, December 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Wu:1974:CTM

- [Wu74] Chih Wu. CAI tutorial method of teaching thermodynamics at U.S. Naval Academy. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):97–100, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Weinberg:1974:SPC

- [WW74] Bernhard Weinberg and Leonard H. Weiner. A systems programming course using the HMS 5050, a counterfeit, hands-on, large-scale computer system. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 6(1):64–73, February 1974. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 4th SIGCSE symposium on Computer science education.

Webster:1973:CSO

- [WZ73] Dennis B. Webster and Victor A. Zaloom. A computer science option in industrial engineering. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):125–127, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Yelowitz:1978:PAS

- [Yel78] Lawrence Yelowitz. A project approach to structure and correctness in Pitt's second computer science course. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 10(3):50–54, August 1978. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 9th SIGCSE symposium on Computer science education.

Yeh:1973:NDT

- [YGM73] Raymond T. Yeh, Donald I. Good, and David R. Musser. New directions in teaching the fundamentals of computer science — discrete structures and computational analysis. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 5(1):60–67, February 1973. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic). Proceedings of the 3rd SIGCSE symposium on Computer science education.

Zelkowitz:1972:SRC

- [Zel72] Marvin Zelkowitz. Space requirements for computer programs. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 4(2):10–11, July 1972. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Zimmerman:1971:CFE

- [Zim71] E. C. Zimmerman. Computing facilities and efforts at a small liberal arts college. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 3(1):34–35, March 1971. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).

Zinn:1970:ASS

- [Zin70] Karl Zinn. Abstracts of SJCC '70 session on computers in education. *SIGCSE Bulletin (ACM Special Interest Group on Computer Science Education)*, 2(1):8–10, March 1970. CODEN SIGSD3. ISSN 0097-8418 (print), 2331-3927 (electronic).