Bibliography of Text-Analysis and Writing-Instruction Software

ELLEN MCDANIEL

Today's writers have something new to account for that only recently began to affect the composing process. With the computer's sudden entrance into the communication arts—bringing with it word processing, electronic mail, on-line dictionaries and thesauruses, text generators and analyzers, voice synthesis and recognition, computer-aided instruction, and artificial intelligence—we have to admit that writing has a technological dimension that it has not had since writing and printing systems were themselves considered new technologies. Eric Havelock and Walter Ong have reminded us periodically that the alphabet and writing are also technologies, and, as new technologies, they separated knowledge from experience and made possible the preservation and classification of ideas. Other scholars have written of the long-term effects of printing, which have been overlooked by studies confined to the hundred or so years following the press's first use. In that time, the printing press was used primarily for putting old manuscripts into print, thus producing little that was different from the incunabula that preceded it. The truly substantial influences of printing, like those of writing, were long in developing but ultimately affected human thought, learning, and expression—the text-maker and the making, not simply the text itself. Now, technology's effect on literacy concerns us again as we inspect the densest technology yet to come between idea and expression, imagination and form, thinker and composer.

The following bibliography is a selection of text-analysis and writing-instruction programs, both available and under development. The list does not include word-processing programs, except for those that are integrated into analysis or instruction packages, such as HBJ Writer (formerly WANDAH). The bibliography has two uses. First, it is a catalogue of current writing-assistance software, arranged alphabetically by program name, and it includes authors' names and brief descriptions of the software. Second, it gives the practical information needed to acquire and run the software: facts of publication, cost, availability, and brief technical specifications. Unlike the researcher's task of locating print materials, which automated information-retrieval services have made quick and easy, the search for available applications software is slow and unsystematic. The information in this bibliography was provided by the authors and programmers of the software through a mailed survey with follow-up correspondence and telephone con-
versations in 1985-86.

Although many of the programs listed were designed for the freshman writing class, most seem to be finding their way into the English curriculum through advanced writing classes, where fewer students and manageable class sizes afford better access to computers. Aside from logistical reasons, computers and software are perhaps best introduced in classes of advanced composition, technical writing, and English education. The older and more sophisticated students are more likely to recognize the advantages of writing-assistance software (thus making them more willing to deal with its complexities) and to integrate it with other activities they perform at the computer. On the eve of entering their professions, these students are also more aware that a mastery of the writing technologies is advisable or necessary for success in their professional fields.

Most of the programs listed here are the efforts of our academic colleagues, but many are first programs from the computer-software industry. In the next generation of programs, we can expect to see these developers collaborate to produce software that is a hybrid of academic knowledge and commercial know-how. A few of the programs listed here—such as WARRANT, the joint project of Carnegie-Mellon University and the Information Technology Center, and IBM's CRITIQUE (formerly EPISODE)—may really be second-generation programs, as they have left behind the world of procedural languages and moved into LISP and PROLOG environments for more advanced and sophisticated applications. I am as yet unwilling to proclaim them clear successors to the first generation of software, in part because I do not have space here to defend such a claim, but mainly because so little is known about them. They are still under development with uncertain release dates.

Nevertheless, it is reasonably certain that the next wave of software—much of which is being developed by the same people named in this bibliography—will be improved by better technology and more experienced developers, who, I believe, will make novel and effective use of the computer's expanding capabilities. Knowledge of the medium as well as the message will be necessary and more in evidence. As a profession, we would be mistaken not to keep this evolution of writing software under close surveillance; ultimately, its influence on texts, language, and thought may be as revolutionary as those of the writing and print technologies that have preceded it.
TITLE: ACCESS (A Computer Composing Educational Software System)
AUTHORS: Donald Ross, Lillian Bridwell, Sheldon Fossum, et al.,
         Program in Composition and Communication, University of Minnesota
PUBLISHER OR MARKETING ORGANIZATION: University of Minnesota
                                      Media Distribution
CONTACT PERSON: Donald Ross
ADDRESS: Box 734
          Mayo Building
          420 Delaware St., S.E.
          Minneapolis, MN 55455
PHONE: (612) 624-7906

AVAILABILITY: Now
HARDWARE: IBM PC
OPERATING SYSTEM: PC-DOS 2.1
MEMORY REQUIREMENT: 192 K
LANGUAGE PROGRAMMED IN: IBM Pascal
PRICE: Exercise Manager, $50 (minimum order of 5 copies);
       Exercise Developer, $300. Exercises priced separately.

BRIEF DESCRIPTION: ACCESS lets the teacher develop composition exercises, assignments, and the like without the need to learn a programming language. It is essentially a "shell" or environment through which the teacher can communicate with the student while the student begins, drafts, or revises a paper. Exercises covering a wide range of discourse types for several upper-level college courses have been developed. These can be revised or restructured by other teachers for their individual needs. The teacher can also build entirely new exercises.

TITLE: ANALYSIS OF WRITING
PUBLISHER OR MARKETING ORGANIZATION: Miami-Dade Community College
CONTACT PERSON: Cindy Elliott
ADDRESS: Auxiliary Services
          11011 S.W. 104 Street
          Miami, FL 33176
PHONE: (305) 347-2158

AVAILABILITY: Now
HARDWARE: IBM PC-XT, PC-AT (requires hard disk)
OPERATING SYSTEM: Requires Camelot, a microcomputer-based system for individualizing information, which can be obtained from the address above. Vendor supplies UCSD p-system IV.2.1 with Camelot.
MEMORY REQUIREMENT: 256 K
LANGUAGE PROGRAMMED IN: UCSD Pascal
PRICE: $150.00 for Analysis of Writing
       $900.00 for Camelot (for educational institutions)
BRIEF DESCRIPTION: This program enables faculty to evaluate the mechanics and organization of students' written assignments and to generate individualized feedback letters that discuss specific writing problems in detail. The program contains two levels of feedback and may be used for up to four assignments. It also produces a status report on the progress of each student.

TITLE: ARRAS
AUTHOR: John B. Smith, Department of Computer Science, University of North Carolina—Chapel Hill
PUBLISHER OR MARKETING ORGANIZATION: Conceptual Tools, Inc.
CONTACT PERSON: John B. Smith
ADDRESS: P.O. Box 247
Chapel Hill, NC 27514
PHONE: (919) 967-2000
AVAILABILITY: Now. Educational license also available.
HARDWARE: IBM or look-alike mainframe 43XX, 30XX, etc.
OPERATING SYSTEM: CMS, TSO
MEMORY REQUIREMENT: 500 K
LANGUAGE PROGRAMMED IN: PL/1
PRICE: $3,000
BRIEF DESCRIPTION: ARRAS is a full-text retrieval and analysis system designed for humanists but useful for anyone who wishes to do extended analysis of a text. It provides interactive access to lexical information, interactive concordances, and graphical distribution, and it searches for contextual patterns. It also has very flexible facilities for defining and maintaining analytic categories.

TITLE: BURKE
AUTHOR: Lt. Col. Hugh Burns, Human Resources Laboratory Brooks Air Force Base, San Antonio, TX 78232
PUBLISHER OR MARKETING ORGANIZATION:
For Apple Version:
CONTACT PERSON: George H. Culp
ADDRESS: Computation Center/HRC
University of Texas
Austin, TX 78712
PHONE: (512) 471-4900
For IBM PC Version:
CONTACT PERSON: Jerome Bump
ADDRESS: Department of English
Parlin Hall
University of Texas
Austin, TX 78712-1164
PHONE: (512) 471-9293, 8714
AVAILABILITY: Now
BURKE is one of the three INVENT programs by Hugh Burns (the other two are TAGI and TOPOI). It is designed to aid students in the invention and prewriting of informative or journalistic compositions. The questions asked in the program are based on Kenneth Burke's dramatistic pentad.

CATCH is a program designed to help students learn to revise their writing. The program offers students eleven prompting and text-analysis categories which they can select, interpret, and use as they wish. The analyses and prompts in CATCH relate text features to the more global aspects of text completeness, clarity, coherence, organization, and sentence structure, and it highlights possible problems of word use and punctuation. The prompts are designed to help students develop their own inner dialogue about writing and thus to take a reader's point of view. The program comes with a word processor.

COMMENT is a program designed to help students learn to revise their writing. The program offers students eleven prompting and text-analysis categories which they can select, interpret, and use as they wish. The analyses and prompts in COMMENT relate text features to the more global aspects of text completeness, clarity, coherence, organization, and sentence structure, and it highlights possible problems of word use and punctuation. The prompts are designed to help students develop their own inner dialogue about writing and thus to take a reader's point of view. The program comes with a word processor.
COMMENT is a computer-assisted revision aid designed to adapt GRAMMATIK, a style and grammar analysis program, to writing classes. After students type in their papers on a word processor, they correct the spelling and then run GRAMMATIK. Students are prompted by COMMENT to enter data from GRAMMATIK's statistical summaries. COMMENT automatically calculates percentages of surface-level elements, compares the percentages to standards preset by the instructor, and prints out advice in several areas: content, prepositions, continuity, vagueness, sentence variety, etc. SETUP is a companion program to COMMENT. It allows the instructor to customize the standards against which COMMENT evaluates student writing.

COMPOSITION STRATEGY teaches strategies for writing by using special words and cues to direct the writer's thought processes as he or she writes. When the writer types a sentence, the program puts in a key word(s) at the end of the sentence that helps to prompt the writer to think of what to write next. The prompts are connective parts of speech that are automatically removed from the text that is finally produced. COMPOSITION STRATEGY also uses techniques from neuro-linguistic programming that instruct writers to move their eyes as they write in order to organize better "mental maps" of the text.
TITLE: COMPUPOEM
AUTHOR: Stephen Marcus, South Coast Writing Project,
University of California—Santa Barbara
PUBLISHER OR MARKETING ORGANIZATION: Social Studies School Service
ADDRESS:
10,000 Culver Blvd.
P.O. Box 802
Culver City, CA 90232-0802
PHONE: Call author, (805) 961-4422
AVAILABILITY: Now
HARDWARE: Apple II series
OPERATING SYSTEM: DOS 3.3
MEMORY REQUIREMENT: 48 K
LANGUAGE PROGRAMMED IN: BASIC
PRICE: $16.95 plus $1.00 shipping and handling, prepaid to Stephen Marcus. California residents also add 6% tax.
BRIEF DESCRIPTION: COMPUPOEM is a computer-assisted writing activity designed to help students study and write poetry. It especially emphasizes planning, structuring, and revising, but it also focuses the students' attention on basic parts of speech, providing advice on using nouns, adverbs, prepositions, etc. It works by prompting the writer for different parts of speech and formatting the words in a haiku-like poetic structure. The students may then select from fourteen different kinds of advice on such things as parts of speech, poetic structures and formats, and on "Zen and the art of computer use."

TITLE: COMPUTER WRITING RESOURCE KIT
AUTHOR: Stephen Marcus, South Coast Writing Project,
University of California—Santa Barbara
PUBLISHER OR MARKETING ORGANIZATION: D. C. Heath and Co.
CONTACT PERSON: Jean Chandler
ADDRESS: 125 Spring St.
Lexington, MA 02173
PHONE: (800) 343-4456
AVAILABILITY: Now
HARDWARE: Apple Ile and IIC, Macintosh; IBM PC
OPERATING SYSTEM: For use with word processors—MacWrite,
PFS: Write, IBM Wordstar, PC Write
MEMORY REQUIREMENT: Variable
LANGUAGE PROGRAMMED IN: NA
PRICE: Variable
BRIEF DESCRIPTION: Designed for college freshman writing classes, the COMPUTER WRITING RESOURCE KIT includes a Faculty Handbook, Student Handbook, and Writing Activities Disk that provide guidelines and utility files for using word processors to develop fluency, effectiveness, and creativity in writing.
TITLE: CREATE/RECREATE
AUTHORS: Valarie Arms and Jim Gibson, Department of Humanities and Communication, Drexel University
PUBLISHER OR MARKETING ORGANIZATION: Kinko's Academic Courseware Exchange (also, CompuServe)
ADDRESS: Kinko's Service Corporation
4141 State Street
Santa Barbara, CA 93110-1891
PHONE: (800) 235-6919, or 292-6640

AVAILABILITY: Now
HARDWARE: Apple Macintosh
OPERATING SYSTEM: Resident operating system
MEMORY REQUIREMENT: 512 K
LANGUAGE PROGRAMMED IN: Pascal
PRICE: $6.00

BRIEF DESCRIPTION: CREATE is a prewriting program for students who have a subject and need to shape the material. It asks questions to direct their attention to audience and purpose. RECREATE asks questions to focus students on global revision, rather than on surface mechanics. The programs are intended for junior and senior technical writing students.

TITLE: CREATIVE PROBLEM-SOLVING
AUTHORS: Raymond J. Rodrigues, Office of the Vice-President, and Dawn Rodrigues, Department of English, Colorado State University
PUBLISHER OR MARKETING ORGANIZATION: Obtain program from authors
CONTACT PERSON: Raymond Rodrigues
ADDRESS: Office of the Vice-President
Colorado State University
Fort Collins, CO 80523
PHONE: (303) 491-4965

AVAILABILITY: Now
HARDWARE: IBM PC; Apple IIe and IIc
OPERATING SYSTEM: PC-DOS 2.0 and 2.1 (IBM); DOS 3.3 (Apple)
MEMORY REQUIREMENT: 64 K
LANGUAGE PROGRAMMED IN: BASIC
PRICE: No charge. Send blank diskette with stamped, self-addressed disk mailer.

BRIEF DESCRIPTION: These programs are intended to be used as prewriting programs to force students to conceive of their topics in new, non-stereotypic ways. The first, Visual Synectics, asks students to compare their topics to objects; the second, Comparing Subtopics, asks students to list subtopics and then compare one with another. Such analogies often result in insights for the writers that they might never have developed otherwise.
TITLE: CRITIQUE (formerly EPISTLE)
AUTHORS: G. Heidorn, K. Jensen, S. Richardson, L. Braden-Harter
PUBLISHER OR MARKETING ORGANIZATION: IBM
CONTACT PERSON: Stephen Richardson
ADDRESS: P.O. Box 218
IBM Watson Research Center
Yorktown Heights, NY 10598
PHONE: (914) 789-7849
AVAILABILITY: Currently a research prototype
HARDWARE: IBM or look-alike mainframe 43XX, 30XX, etc.
OPERATING SYSTEM: VM/CMS
MEMORY REQUIREMENT: 4 MByte
LANGUAGE PROGRAMMED IN: PLNLP, PL/8
PRICE: Not yet determined
BRIEF DESCRIPTION: CRITIQUE is a writing aid that uses a broad­
coverage natural language parser to generate grammar and style
critiques about a user's document. The parser is based on the
Programming Language for Natural Language Processing (PLNLP).
CRITIQUE incorporates a highly usable interface, and because of the
PLNLP parser, provides information that is not available in other
writing aid systems.

TITLE: EDITOR
AUTHORS: Elaine Thiesmeyer, Rochester Institute of Technology
          John Thiesmeyer, Hobart and William Smith Colleges
PUBLISHER OR MARKETING ORGANIZATION: Serenity Software
CONTACT PERSON: Elaine or John Thiesmeyer
ADDRESS: 901 Serenity Rd.
          Penn Yan, NY 14527
PHONE: (313) 536-4805
AVAILABILITY: TRS-80 Model III, Model 4, MS-DOS, and
          PC-DOS versions available now
HARDWARE: TRS-80 Model III
OPERATING SYSTEM: TRSDOS 1.3
MEMORY REQUIREMENT: 48 K
LANGUAGE PROGRAMMED IN: Assembler
PRICE: $50.00, includes documentation and shipping
BRIEF DESCRIPTION: EDITOR is a fast and powerful text-analysis
system, especially designed to aid in the teaching and learning of
composition skills at the editing and polishing stage. It will read a
text created on a word processor and check for mistakes and ques­
tionable decisions in usage and mechanics that inexperienced
writers commonly make. It can identify over 10,000 such problems,
including excessive repetition of words, and can help the user find
lack of variety and fragmentation in sentences.
TITLE: ELEMENTS OF PRACTICAL PROSE  
AUTHOR: A. LEWIS SOENS  
PUBLISHER OR MARKETING ORGANIZATION: Emerald Software & Consulting  
CONTACT PERSON: William I. Davisson  
ADDRESS: P. O. Box 490  
Notre Dame, IN 46556-0490  
PHONE: (219) 233-7066  
after 7:00 p.m. E.S.T.  

AVAILABILITY: Now  
HARDWARE: Apple II series and Macintosh; IBM PC, PCjr  
OPERATING SYSTEM: DOS 3.3 (Apple), Resident (Macintosh); MS-DOS 2.1 and PC-DOS 2.1 (IBM)  
MEMORY REQUIREMENT: 64 K (Apple), 128 K (Macintosh); 64 K (IBM)  
LANGUAGE PROGRAMMED IN: BASIC  
PRICE: $600.00 single copy; $1200 for site license  
BRIEF DESCRIPTION: ELEMENTS OF PRACTICAL PROSE is a computer-assisted full-course supplement in practical writing and editing. The lessons, scaled from easy to hard, embody a high degree of redundancy. Related lessons reinforce each other and reinforce related skills. The program accustoms the student to recognize both those sentence patterns that tend to produce ambiguity, and the modified patterns that tend to produce clear, readable prose. This course supplement contains 197 lessons in 13 chapters grouped into the five stages through which most writers proceed.

TITLE: ENGLISH GRAMMAR REVIEWS  
AUTHORS: EDWARD KLINE  
PUBLISHER OR MARKETING ORGANIZATION: Emerald Software & Consulting  
CONTACT PERSON: William I. Davisson  
ADDRESS: P. O. Box 490  
Notre Dame, IN 46556-0490  
PHONE: (219) 233-7066  
after 7:00 p.m. E.S.T.  

AVAILABILITY: Now  
HARDWARE: Apple II series and Macintosh; IBM PC, PCjr  
OPERATING SYSTEM: DOS 3.3 (Apple), Resident (Macintosh); MS-DOS 2.1 and PC-DOS 2.1 (IBM)  
MEMORY REQUIREMENT: 64 K (Apple), 128 K (Macintosh); 64 K (IBM)  
LANGUAGE PROGRAMMED IN: BASIC  
PRICE: $400.00 single copy; $800 for site license  
BRIEF DESCRIPTION: ENGLISH GRAMMAR REVIEWS can work with any English grammar text as a diagnostic or review instrument. The course contains five chapters or lesson groups on phonology (pronunciation), morphology (word study), syntax (phrases, clauses, and sentences), spelling, and mechanics (punctuation).
TITLE: EYEBALL: A PROGRAM FOR STYLISTIC DESCRIPTIONS
AUTHORS: Donald Ross and Robert Rasche,
Department of English, University of Minnesota
PUBLISHER OR MARKETING ORGANIZATION: Obtain program from authors
CONTACT PERSON: Donald Ross
ADDRESS: Department of English
University of Minnesota
Minneapolis, MN 55455
PHONE: (612) 625-2888
AVAILABILITY: Now; IBM PC version under development
HARDWARE: CDC and IBM mainframes
OPERATING SYSTEM: Standard for the hardware
LANGUAGE PROGRAMMED IN: FORTRAN G or H, FTN CDC Compiler
PRICE: $40
BRIEF DESCRIPTION: EYEBALL produces descriptions of word length, vocabulary structure, syntactic categories, and sentence length. The input is natural language, unedited English text. After some automatic parsing, the user must update the files with information about the location of key sentence elements (subject, predicate, complement). That information leads to a computer file with tags for each word. The tagged file can be explored for a wide range of descriptive statistical measures of style.

TITLE: GRADER
AUTHORS: William Marling and Cynthia Marling
Case Western Reserve University
PUBLISHER OR MARKETING ORGANIZATION: Obtain program from authors
CONTACT PERSON: William Marling
ADDRESS: Department of English
Case Western Reserve University
Cleveland, OH 44106
PHONE: (216) 368-2340
AVAILABILITY: Now
HARDWARE: IBM PC with two disk drives
OPERATING SYSTEM: PC-DOS 1.1 or 2.0
MEMORY REQUIREMENT: 128 K
LANGUAGE PROGRAMMED IN: C
PRICE: $49.95; $120 for GRADER, READER, and WRITER together
BRIEF DESCRIPTION: GRADER is a program that allows the teacher to "grade" electronic papers on disk. Using any ASCII standard input file, the teacher can mark errors with 18 different, customizable mnemonics, and insert as much marginal and final commentary as desired. GRADER tracks and saves all errors noted and comments entered in its "gradebook," from which they can be retrieved, changed or viewed as graphs. The output is designed to be read by READER and edited by WRITER.
TITLE: GRAMMARLAB
AUTHOR: Michael G. Southwell, Department of English, York College, CUNY
PUBLISHER OR MARKETING ORGANIZATION: Little, Brown & Co.
CONTACT PERSON: Joseph Opiela
ADDRESS: 34 Beacon Street
Boston, MA 02106
PHONE: (617) 227-0730
AVAILABILITY: Five units available: Sentence Structure, Nouns, Present-tense Verbs, Past-tense Verbs, and Verb BE
HARDWARE: Apple IIe and IIc; IBM PC, PC-XT, or PC portable
OPERATING SYSTEM: DOS 3.3 (Apple); PC-DOS 2.0 or 2.1 (IBM)
MEMORY REQUIREMENT: 64 K
LANGUAGE PROGRAMMED IN: BASIC
PRICE: $150 for any single disk, $600 for complete set of five disks, $15 for duplicate copy of any disk.
BRIEF DESCRIPTION: GRAMMARLAB includes five units of computer-assisted instruction in common grammatical problems. The emphasis is on instruction rather than simple drill or testing. Instructional design principles include: (1) careful definition of content; (2) presentation of instruction in manageable bits; (3) incremental sequencing of instruction; (4) required use of forms in meaningful contexts rather than in isolation; and (5) emphasizing, focusing, individualization, and immediate feedback. An accompanying supplementary workbook provides additional practice of concepts.

TITLE: HBJ WRITER (formerly WANDAH)
AUTHORS: Morton Friedman, Earl Rand, Ruth Von Blum, Michael Cohen, and Lisa Gerrard, UCLA Writing Program
PUBLISHER OR MARKETING ORGANIZATION: Harcourt Brace Jovanovich
CONTACT PERSON: Robert Pawlick
ADDRESS: Harcourt Brace Jovanovich
1250 Sixth Avenue
San Diego, CA 92101
PHONE: (619) 699-6372
AVAILABILITY: Commercial IBM PC version available; Apple version planned for late 1986
HARDWARE: IBM PC, with two disk drives
OPERATING SYSTEM: UCSD p-system. Self-booting with its own operating system.
MEMORY REQUIREMENT: 256 K
LANGUAGE PROGRAMMED IN: UCSD Pascal
PRICE:  
HBJ Writer for the Department: $50.00  
HBJ Writer for the Student: $24.95  

BRIEF DESCRIPTION:  
HBG WRITER is a self-contained integrated package that includes an easy-to-use yet powerful word processor, prewriting and planning aids, proofreading and revision aids, a disk formatter and file handler, and printing utilities.  
HBG Writer for the Student and HBG Writer for the Department interact; the latter is purchased by the department for each computer, and the former is purchased by each student.

TITLE:  
HOLTCOMP (The Holt, Rinehart and Winston Composing Software Series)  

AUTHOR:  
Deborah H. Holdstein, Director of Writing Programs, Governors State University  

PUBLISHER OR MARKETING ORGANIZATION:  
Holt, Rinehart and Winston  

CONTACT PERSON:  
Charlyce Jones Owen  

ADDRESS:  
383 Madison Avenue  
New York, NY 10017  

PHONE:  
(212) 872-2553  

AVAILABILITY:  
Now

HARDWARE:  
IBM PC  

OPERATING SYSTEM:  
PC-DOS 2.0  

MEMORY REQUIREMENT:  
128 K  

LANGUAGE PROGRAMMED IN:  
Pascal  

PRICE:  
Not yet determined  

BRIEF DESCRIPTION:  
A major "writing environment," the Holt Composing Software Series will enable the writer to compose, pre-write, write, and rewrite essays, reports, etc., for various writing tasks. This sophisticated program features brainstorming and pre-writing sections, responses to which are stored and visible for use during writing; a word processor designed for the program; specific rewriting-diagnostic aids, and other features. The package is accompanied by a workbook.

TITLE:  
HOMER: A COMPUTERIZED REVISION PROGRAM  

AUTHORS:  
Michael Cohen and Richard Lanham, UCLA Writing Programs  

PUBLISHER OR MARKETING ORGANIZATION:  
Charles Scribner's Sons  

CONTACT PERSON:  
Shelley Bravin  

ADDRESS:  
Scribners  
115 5th Avenue  
New York, NY 10003  

PHONE:  
(212) 614-1394  

AVAILABILITY:  
Now  

HARDWARE:  
Apple II series and Apple III, with two disk drives
OPERATING SYSTEM: Apple Pascal Language System
MEMORY REQUIREMENT: 48 K for II or II+; 64 K for IIe
LANGUAGE PROGRAMMED IN: Pascal 1.1
PRICE: $150
BRIEF DESCRIPTION: HOMER brings Lanham's "Paramedic Method" from *Revising Prose* to the writing class via the computer, offering writers guidelines to use in revising their prose. The program analyzes texts for sentence length variability, prepositional phrases, forms of the verb "to be," possible nominalizations, and vague words. It also includes a package allowing teachers to customize some program features.

TITLE: UNIX* INSTRUCTIONAL WORKBENCH**
*Trademark of AT&T Bell Laboratories
**Trademark of AT&T Technologies
PUBLISHER OR MARKETING ORGANIZATION:
CONTACT PERSON: Commerical or educational
licenceses contact sales office
ADDRESS: AT&T Technology System
Software Sales E2M33
P.O. Box 20046
Greensboro, NC 27420
PHONE: (800) 828-UNIX (8649)
AVAILABILITY: Now
HARDWARE: AT&T 3B computers; Digital Equipment
Corporation (DEC) VAX-class computers
OPERATING SYSTEM: UNIX System V
MEMORY REQUIREMENT: Uncompiled source codes required for
a minicomputer are 9,350 blocks. After compilation, the delivery
system requires 155 blocks of addressable memory, with the
authoring system requiring 153 blocks of addressable memory for
execution. 5,130 512-byte blocks are required in a microcomputer
storage, with a similar executable requirement.
LANGUAGE PROGRAMMED IN: C
PRICE: Contact AT&T Technology System Software Sales group.
BRIEF DESCRIPTION: INSTRUCTIONAL WORKBENCH is a set
of programs containing an authoring system, a delivery system, and
courseware. The authoring component, COMPOSE, prompts
authors through the course-creation process. Non-programmers can
develop courses, and course material can be previewed during
development. A standard set of course-question types (templates),
with a ready-to-use format, guide the development process for text
presentation and question/answer/response development. Also
included is the TOPIC programming language that allows program­
mers to develop customized templates. The delivery component
registers the student, maintains student and course data, is the
interface to courseware, and reports on progress, etc. Courseware
included with INSTRUCTIONAL WORKBENCH teaches the user about the UNIX system.

**TITLE:** INVENT (formerly BRAINSTORM)

**AUTHOR:** Michael Spitzer, programmed by Dwight Kelley, Department of English, New York Institute of Technology

**PUBLISHER OR MARKETING ORGANIZATION:** Undecided

**CONTACT PERSON:** Michael Spitzer

**ADDRESS:** Department of English
New York Institute of Technology
Wheatley Road
Old Westbury, NY 11568

**PHONE:** (516) 686-7557, 7558

**AVAILABILITY:** Now

**HARDWARE:** Apple II+, IIe, IIc

**OPERATING SYSTEM:** Pro DOS

**MEMORY REQUIREMENT:** 48 K

**LANGUAGE PROGRAMMED IN:** Assembler and BASIC

**PRICE:** $79.95

**BRIEF DESCRIPTION:** INVENT is an open-ended branching program that allows an instructor to use a variety of prewriting exercises. Sample sets of questions are based on the *topoi* and other heuristics and cover several types of discourse. Instructors can use the teacher version of the program and, without any programming knowledge, create an unlimited number of new exercises. Student work can be transferred to a word-processing file for drafting and revising.

**TITLE:** LANCELOT

**AUTHORS:** David Bray, Russ Nelson, Dennis Horn

**PUBLISHER OR MARKETING ORGANIZATION:** Clarkson Software

**CONTACT PERSON:** Dean David Bray or Donna Lee

**ADDRESS:** Educational Computing System
Clarkson University
Potsdam, NY 13676

**PHONE:** (315) 268-6455

**AVAILABILITY:** Now

**HARDWARE:** IBM PC, Zenith Z-100, DEC Rainbow

**OPERATING SYSTEM:** MS-DOS 2.0

**MEMORY REQUIREMENT:** 128 K

**LANGUAGE PROGRAMMED IN:** Assembler

**PRICE:** $49

**BRIEF DESCRIPTION:** LANCELOT contains a speller and a set of programs for language analysis. A simple language allows users to
create their own analysis programs. Programs now available check for stylistic problems of diction, usage, prepositions, word length, sentence length, and passive constructions. The student is given advice and constructive criticism, and a style index and histogram are reported. New files are being created for biased and libelous language.

**TITLE:** LEAP I: INTERACTIVE LANGUAGE EXPERIENCE SOFTWARE  
**AUTHOR:** Elaine G. Wangberg, The Graduate School, The University of New Orleans  
**PUBLISHER OR MARKETING ORGANIZATION:** Educational Activities, Inc.  
**CONTACT PERSON:** Al Harris, President  
**ADDRESS:** 1937 Grand Avenue  
Baldwin, NY 11510  
**PHONE:** (800) 645-2796  
**AVAILABILITY:** Now  
**HARDWARE:** TRS-80 III, IV, IVD; Apple IIe, IIc; IBM PC  
**OPERATING SYSTEM:** TRS-DOS; Apple DOS; PC-DOS  
**MEMORY REQUIREMENT:** 48 K (TRS-80); 64 K (Apple); 64 K (IBM)  
**LANGUAGE PROGRAMMED IN:** Compiled BASIC and Z-BASIC  
**PRICE:** $295  
**BRIEF DESCRIPTION:** LEAP I uses the Language Experience Approach interactively to promote the reading and writing abilities of illiterate adolescents and adults. Students compose, edit, and expand their own text input, guided by the software and, at scheduled points, by the teacher. Printouts are generated after each lesson on the computer, which record student writing and provide follow-up activities.

**TITLE:** MACPROOF (formerly ALPS WRITING LAB)  
**PUBLISHER OR MARKETING ORGANIZATION:** Automated Language Processing Systems  
**CONTACT PERSON:** Scott E. Wells  
**ADDRESS:** 190 W. 800 N.  
Provo, UT 84604  
**PHONE:** (801) 375-0090  
**AVAILABILITY:** Now  
**HARDWARE:** Apple Macintosh  
**OPERATING SYSTEM:** Resident operating system  
**MEMORY REQUIREMENT:** 512 K  
**LANGUAGE PROGRAMMED IN:** Lisa Workshop Pascal 2.0  
**PRICE:** Depends on configuration. Contact ALPS for prices.  
**BRIEF DESCRIPTION:** MACPROOF helps writers to create, proofread, revise, and print documents. It provides immediate indi-
vidualized feedback that helps students focus on possible spelling, mechanical, and stylistic errors, or awkward or unacceptable usage. Shared resources that support network communication make extensive reference materials available to the writer.

**TITLE:** MICROARRAS  
**AUTHORS:** John B. Smith, Stephen F. Weiss, and Gordon J. Ferguson, Department of Computer Science, University of North Carolina  
**PUBLISHER OR MARKETING ORGANIZATION:** Undecided  
**CONTACT PERSON:** John B. Smith  
**ADDRESS:** Department of Computer Science  
UNC—Chapel Hill  
Chapel Hill, NC 27514  
**PHONE:** (919) 962-5021  
**AVAILABILITY:** Expected summer 1987  
**HARDWARE:** IBM PC-AT with enhanced graphics adapter  
**OPERATING SYSTEM:** PC-DOS 2.1  
**MEMORY REQUIREMENT:** 640 K  
**LANGUAGE PROGRAMMED IN:** C  
**PRICE:** Not yet determined  
**BRIEF DESCRIPTION:** A microcomputer version of ARRAS (see description on page 142) with extended analytic capabilities.

**TITLE:** MINA  
**AUTHORS:** Learning Research and Development Center and the Department of English, University of Pittsburgh  
**PUBLISHER OR MARKETING ORGANIZATION:** Undecided  
**CONTACT PERSON:** Glynda Hull  
**ADDRESS:** 603 LRDC  
University of Pittsburgh  
Pittsburgh, PA 15260  
**PHONE:** (412) 624-4850  
**AVAILABILITY:** Under development  
**HARDWARE:** DEC VAX 11/750, 11/780  
**OPERATING SYSTEM:** VMS 4.0  
**MEMORY REQUIREMENT:** 2 MBytes  
**LANGUAGE PROGRAMMED IN:** C, Fortran, TPU  
**PRICE:** Not yet determined  
**BRIEF DESCRIPTION:** MINA (MIsconceptions are NAtural) is an editing tutor that combines word-processing capabilities with error detection. The tutor provides an environment within which students can create, revise, and print essays, as well as ask for help in locating grammar and spelling errors in their own writing. The tutor successively highlights lines containing one kind of error—
individualized feedback that helps students focus on possible spelling, mechanical, and stylistic errors, or awkward or unacceptable usage. Shared resources that support network communication make extensive reference materials available to the writer.

TITLE: ORGANIZE
AUTHOR: Helen J. Schwartz and Louis J. Nachman, Department of English, Oakland University
PUBLISHER OR MARKETING ORGANIZATION: Wadsworth Publishing
ADDRESS: John Strohmeier
10 Davis Drive
Belmont, CA 94002
PHONE: (415) 595-2350
AVAILABILITY: Summer 1987
HARDWARE: Apple IIe and IIc with two disk drives; IBM PC
OPERATING SYSTEM: DOS 3.3; PC-DOS 2.1
MEMORY REQUIREMENT: 128 K
LANGUAGE PROGRAMMED IN: UCSD Pascal
PRICE: Not yet determined
BRIEF DESCRIPTION: With over 10 hours of tutorials to choose from, ORGANIZE helps writers generate ideas, plan research, overcome writer's block, and gain perspective for revision. The user answers open-ended questions, with optional advice screens, first establishing Basic Terms (topic, thesis, audience and purpose) and then choosing to work on Audience Analysis or from the various tutorials on Development, Argument, and Approaches (freewriting, outlining, attitudes). The student's work can be listed, printed, or loaded into a compatible word processor. Teachers can modify the text of the advice screens.

TITLE: OXFORD CONCORDANCE PROGRAM (OCP)
AUTHOR: Oxford University Computing Service
PUBLISHER OR MARKETING ORGANIZATION: Oxford U. Computing Service
CONTACT PERSON: Susan M. Hockey
ADDRESS: Oxford Concordance Program
13 Banbury Road
Oxford OX2 6NN
England
PHONE: (0865) 56721
AVAILABILITY: Now
HARDWARE: Any mainframe
OPERATING SYSTEM: Variable
MEMORY REQUIREMENT: Variable
LANGUAGE PROGRAMMED IN: ANSI FORTRAN
PRICE: $100 approx. Contact publisher.
BRIEF DESCRIPTION: The OXFORD CONCORDANCE PROGRAM (OCP) is a general-purpose computer program which makes word counts, concordances, and word indexes from texts in a variety of languages and alphabets. Applications include stylistic analysis, language teaching, morphology, vocabulary acquisition, textual criticism, thematic analysis, and dictionary-making.

TITLE: THE PARAGRAPHING PROGRAM
AUTHOR: Deborah H. Holdstein, Director of Writing Programs, Governors State University
PUBLISHER OR MARKETING ORGANIZATION: Undecided
CONTACT PERSON: Deborah H. Holdstein
ADDRESS: Governor State University
PHONE: (312) 534-5000, ext. 2453
AVAILABILITY: Now
HARDWARE: Apple II series
OPERATING SYSTEM: DOS 3.3
MEMORY REQUIREMENT: 64 K
LANGUAGE PROGRAMMED IN: BASIC
PRICE: Not yet determined
BRIEF DESCRIPTION: A prewriting, writing, and rewriting package, THE PARAGRAPHING PROGRAM features a word processor at its core, five topics for writing with prewriting questions (responses are stored for use by the writer later on), tutorials on paragraphing and topic and concluding sentences, diagnostic and checking aids for close reading and revision, etc. Students can get printed copies of their work at various stages in the program, so that the modules are effective when combined with various teaching/writing methods. The latest version will also feature an instructor authoring system, making the program package relevant "across the curriculum."

TITLE: PARSER
AUTHORS: Alan Bailin and Philip Thomson, Department of Effective Writing, University of Western Ontario
PUBLISHER OR MARKETING ORGANIZATION: Undecided
CONTACT PERSON: Alan Bailin
ADDRESS: Dept. of Effective Writing
University of Western Ontario
London, Ontario
Canada N6A 3K7
PHONE: (519) 679-2111, ext. 5799
AVAILABILITY: Now, on a limited basis
HARDWARE: IBM PC
OPERATING SYSTEM: PC-DOS 2.0 and above
MEMORY REQUIREMENT: 512 K
LANGUAGE PROGRAMMED IN: MPROLOG
PRICE: Not yet determined
BRIEF DESCRIPTION: PARSER is intended to help students learn English sentence structure. Using a lexicon and production rules, PARSER generates a wide range of sentences and asks students to identify grammatical parts. Feedback is based on the grammatical properties of student answers.

TITLE: PREWRITE
AUTHOR: Mimi Schwartz, Stockton Writing Program, Stockton State College

PUBLISHER OR MARKETING ORGANIZATION:
Learning Well
ADDRESS: 200 S. Service Road
Roslyn Heights, NY 11577
PHONE: (800) 645-6564; (516) 621-1540

AVAILABILITY: Now
HARDWARE: Apple II series
OPERATING SYSTEM: DOS 3.3
MEMORY REQUIREMENT: 48 K
LANGUAGE PROGRAMMED IN: BASIC and Assembly Language
PRICE: $84.95, includes a copy of the companion text, Writing for Many Roles.

BRIEF DESCRIPTION: PREWRITE is designed to help writers get started. It is particularly good for autobiographical and expository essays. Through a series of interactive questions and answers, writers find and shape their topics. No word processing—not even a manual—is needed to use PREWRITE effectively. Ideal for writing centers as well as for classroom use, the program can be easily customized for teaching needs.

TITLE: THE PROPOSAL WRITER
AUTHOR: William Dennis Horn, Department of English, Clarkson University

PUBLISHER OR MARKETING ORGANIZATION: Obtain program from author
ADDRESS: 25 Hamilton Street
Potsdam, NY 13676
PHONE: (315) 268-6420

AVAILABILITY: Now
HARDWARE: IBM PC, Zenith Z-100
OPERATING SYSTEM: MS-DOS 2.0
MEMORY REQUIREMENT: 128 K
LANGUAGE PROGRAMMED IN: Clarkson's PILOT (free with program)
BIBLIOGRAPHY OF SOFTWARE

PRICE: $95
BRIEF DESCRIPTION: THE PROPOSAL WRITER helps users organize and write grants and proposals by leading them through the writing process. Menus allow users to write different parts of the proposal at different times. The users' answers are saved on disk to be compiled into the full proposal.

TITLE: QUEST
AUTHOR: James Strickland, Department of English, Slippery Rock University
PUBLISHER OR MARKETING ORGANIZATION:

ADDRESS: Obtain program from author
313 Eisenberg Hall
Slippery Rock University
Slippery Rock, PA 16057
PHONE: (412) 794-7265

AVAILABILITY: Now
HARDWARE: Apple II series, DECmate II, IBM PC in progress
OPERATING SYSTEM: DOS 3.3 (Apple); Resident (DEC); PC-DOS 2.0 and 2.1 (IBM)
MEMORY REQUIREMENT: 48 K
LANGUAGE PROGRAMMED IN: BASIC
PRICE: No charge for educational use. Send self-addressed stamped envelope and a floppy diskette.

BRIEF DESCRIPTION: QUEST, developed in 1982 but expanded and improved in 1985, is a rhetorical invention program, designed to ask student-writers a series of specific questions about their topics. The questions, based on the systematic heuristic found in Hartwell's Open to Language (Oxford, 1982), help writers explore a topic in the prewriting stage, generating material for use in the writing. The program will provide a print-out of the writing generated and store it on disk for later retrieval. Also included with the QUEST program is the free-writing program FREE, which is based on Elbow's Writing Without Teachers (Oxford, 1973). FREE helps the writer produce material for an essay in a series of free-writings alternating with periods of focusing on a "center of gravity."

TITLE: THE QUINTILIAN ANALYSIS
AUTHORS: Winston Weathers and Joe H. Nichols
PUBLISHER OR MARKETING ORGANIZATION:

CONTACT PERSON: Joseph Nichols Publisher
ADDRESS: Joe Nichols
100 Center Plaza, #303
P.O. Box 2394
Tulsa, OK 74101
PHONE: (918) 583-3390

AVAILABILITY: Now
HARDWARE: IBM PC, Tandy 1000 and 2000, TRS-80 III and IV, Sperry PC, Zenith Z-100. Two disk drives required.

OPERATING SYSTEM: MS-DOS 2.0, 2.1 (IBM); Tandy MS-DOS 2.11, 2.0; TRS-80 TRS-DOS 1.3; MS-DOS 2.0 for others.

MEMORY REQUIREMENT: 48 K for TRS-80; 256 K for all others

LANGUAGE PROGRAMMED IN: COBOL

PRICE: $995.00, includes campuswide site license to make copies.

BRIEF DESCRIPTION: THE QUINTILIUS ANALYSIS program analyzes prose compositions (typed into the computer with no coding necessary; a word processor may be used) and provides a detailed printed commentary on, and identification of, each composition’s style, locating each composition against the background of twentieth-century American and British essay writing in general. The program also provides a lexicon of the vocabulary used in the composition: each word in the composition is listed, with the number of times each word occurs. In addition, the program provides for special coding to produce the number and ratio of parts of speech or other stylistic elements. A Teacher’s Guide contains information about effective application of the program and explains the significance of each item in the commentary.

TITLE: READER
AUTHORS: William Marling and Cynthia Marling
(Specifications are same as for GRADER program on page 149.)

BRIEF DESCRIPTION: READER works with GRADER. It reconstitutes the student essay graded with GRADER so that it can be read by the student in a "grammar book." This program allows students to scroll through their papers, look up and print out instantly the corrections to the indicated errors. Over 70 specific problems, ranging from manuscript mechanics to comma splices, are covered. The grammar-book pages are customizable by the teacher with any text editor. Separate "university" and "junior college" versions are available.

TITLE: RECOMP
AUTHORS: Mark P. Haselkorn, University of Washington
Robert J. Connors, University of New Hampshire

PUBLISHER OR MARKETING ORGANIZATION: Undecided

CONTACT PERSON: Mark Haselkorn
ADDRESS: Program in Scientific and Technical Communication
14 Loew Hall, FH-40
University of Washington
Seattle, WA 98195
RECOMP gathers data on how writers spend their time during the process of composition, including: (1) how many times each sentence was reviewed; (2) how many times the writer began a period of review; (3) what sentences were reviewed during each period of review; (4) how long each period of review took; (5) what new sentence was being written at the time of each period of review; (6) how long it took from the time a sentence was begun to the time it was completed; (7) how much of that time was spent actually writing the new sentence; (8) whether each sentence was written at the end of existing text or was inserted; (9) whether a sentence was deleted; (10) how many times each sentence was edited; (11) what changes were made each time; (12) what new sentence was being written at the time of each change; (13) what sentences were being reviewed at the time of each change; (14) what percent of the total composing time was spent reviewing previously written text, writing sentences at the end of previously written text, and inserting sentences in previously written text.

**TITLE:** SEEN

**AUTHOR:** Helen J. Schwartz, Department of English, Oakland University

**PUBLISHER OR MARKETING ORGANIZATION:** Obtain program from author

**ADDRESS:** P.O. Box 911 Rochester, MI 48063

**PHONE:** (313) 375-0343

**AVAILABILITY:** Apple II and IBM-PC versions available now

**HARDWARE:** Apple II series

**OPERATING SYSTEM:** DOS 3.3

**MEMORY REQUIREMENT:** 48 K

**LANGUAGE PROGRAMMED IN:** BASIC

**PRICE:** $89.95 for site license; pre-payment required

**BRIEF DESCRIPTION:** SEEN helps students to improve reading and writing with (1) open-ended questions for developing a thesis and supporting evidence; (2) opportunity for discussion in a non-threatening environment; (3) storage of work for later printing or transfer to a compatible word processor; and (4) records of student activities. The Apple version of this interactive, non-judging program guides students in testing their opinions about literary characters; the revised program will provide different tutorials and allow teachers to write their own tutorial questions.
TITLE: SOCRATES 2000: A COLLEGE WRITING PROGRAM
AUTHORS: Thomas Bacig and Donald Larmouth
PUBLISHER OR MARKETING ORGANIZATION: Undecided
CONTACT PERSON: Thomas Bacig
ADDRESS: 3119 Lester River Rd.
Duluth, MN 55804
PHONE: (218) 726-8536, 525-4840
AVAILABILITY: Now, on a limited basis
HARDWARE: IBM PC; planning an Apple version
OPERATING SYSTEM: PC-DOS 2.1
MEMORY REQUIREMENT: 64 K
LANGUAGE PROGRAMMED IN: Turbo Pascal
PRICE: Not yet determined
BRIEF DESCRIPTION: SOCRATES 2000 complements an entire academic writing skills program developed at the University of Minnesota, Duluth, and the University of Wisconsin, Green Bay. The writing program and software are designed to teach thinking and writing skills. The CAI programs, in varying stages of completion and development, are (1) identifying essential elements of a paragraph; (2) paraphrasing; (3) identifying warranted conclusions; (4) sentence combining; (5) selecting support for a given claim; (6) organizing and developing an argumentative essay; and (7) organizing and developing a comparison/contrast essay.

TITLE: TAGI
AUTHOR: Lt. Col. Hugh Burns
(Specifications same as for BURKE program on page 142.)
BRIEF DESCRIPTION: TAGI is one of the three INVENT programs by Hugh Burns (the other two are BURKE and TOPOI). It is an invention program for exploratory and informative writing. The questions it asks are based on the tagmemic matrix of particle, wave, and field from Young, Becker, and Pike.

TITLE: TICCIT ENGLISH COURSE
AUTHORS: Team at Brigham Young University sub-contracted to the Mitre Corporation and the National Science Foundation
PUBLISHER OR MARKETING ORGANIZATION: Computer Teaching Services
CONTACT PERSON: Harold Hendricks
ADDRESS: 2330 HBLL
Brigham Young University
Provo, UT 84602
PHONE: (801) 378-6448
AVAILABILITY: Original version from Hazeltine Corporation,
BIBLIOGRAPHY OF SOFTWARE

10800 Parkridge Blvd., Reston, VA 22091 (public domain). Expanded version available from Brigham Young University.

HARDWARE: TICCIT™ or Micro TICCIT™. (Example: the Micro TICCIT system at BYU is configured with a Data General Nova 4X mini-computer as the main processor in a local area network of 32 IBM PC's.) Contact Hazeltine (address above) for hardware information.

OPERATING SYSTEM: TICCIT

MEMORY REQUIREMENT: 40 MB disk storage

LANGUAGE PROGRAMMED IN: TICCIT Authoring Systems (APT and ADAPT)

PRICE: Negotiable

BRIEF DESCRIPTION: TICCIT (Time-shared Interactive Computer Controlled Information Television) is a system of integrated hardware, software, and courseware. Each of the more than 300 segments in the courseware consists of: (1) an objective display telling the student what he or she is to do; (2) a rule with up to three other versions of the rule telling how to do the objective; (3) examples and practice with help; (4) scoring. In addition, there are over 150 mastery and diagnostic tests. The 17 course units start with grammar and mechanics and progress through instruction on reasoning, interpretation, and effective essay writing.

TITLE: TOOLS FOR WRITERS

AUTHOR: Eva M. Thury, 1 Dartmouth Circle, Swarthmore, PA

PUBLISHER OR MARKETING ORGANIZATION: Kinko's Academic Courseware

ADDRESS: 4141 State Street
Santa Barbara, CA 93110

PHONE: (800) 235-6919, 292-6640

AVAILABILITY: Now

HARDWARE: Apple Macintosh and Macintosh Plus

OPERATING SYSTEM: Resident; compatible with MacWrite and Microsoft Word

MEMORY REQUIREMENT: 128 K

LANGUAGE PROGRAMMED IN: Stand-alone application

PRICE: $16.85, plus shipping; site licenses available

BRIEF DESCRIPTION: TOOLS FOR WRITERS allows students to perform checks and diagnostic tests on their own writing. TOOLS shows students errors and problems in grammar, spelling, and usage; and it helps them with paragraphing, diction, subordination, and the use of passive voice. TOOLS is a series of eight lessons. Each lesson explains a writing problem, shows how to use TOOLS to locate occurrences of that problem, and gives examples of problem sentences and revisions that improve them.
TITLE: TOPOI
AUTHOR: Lt. Col. Hugh Burns
(Specifications same as for Burke program on page 142.)
BRIEF DESCRIPTION: TOPOI is an invention program used for persuasive writing. Its questions are based on Aristotle's 28 enthymeme topics, e.g., questions about consequences, public and private opinions, reasons, etc.

TITLE: VERBCON
AUTHORS: Alan Bailin and Philip Thomson, Department of Effective Writing, University of Western Ontario
PUBLISHER OR MARKETING ORGANIZATION: Undecided
CONTACT PERSON: Alan Bailin
ADDRESS: Dept. of Effective Writing
University of Western Ontario
University College
London, Ontario
Canada N6A 3K7
PHONE: (519) 679-2111, ext. 5799
AVAILABILITY: Now, on a limited basis
HARDWARE: IBM PC
OPERATING SYSTEM: PC-DOS 2.0 and above
MEMORY REQUIREMENT: 256 K
LANGUAGE PROGRAMMED IN: MS Pascal and MS MACRO Assembler
PRICE: Not yet determined
BRIEF DESCRIPTION: VERBCON is designed to teach students how to use English verb forms in written texts. The program includes a grammar review and sets of exercises. In the exercises, verbs have been put into the infinitive, and students are asked to supply appropriate verb forms. Some of the lessons focus on specific tenses; others involve passages from essays in order to give students practice using English verbs in extended written contexts. Feedback is based on the grammatical properties of student answers.

TITLE: WARRANT
AUTHORS: Christine Neuwirth, Cheryl Geisler, David Kaufer, and Preston Covey, Carnegie-Mellon University
PUBLISHER OR MARKETING ORGANIZATION: Undecided
CONTACT PERSON: Christine Neuwirth
ADDRESS: Department of English
Carnegie-Mellon University
Pittsburgh, PA 15213
PHONE: (412) 268-8702
AVAILABILITY: Pilot testing in Fall 1987
HARDWARE: IBM-RT, SUN, MicroVAX
OPERATING SYSTEM: Berkeley UNIX 4.2 and the ITC Andrew system (under development)
MEMORY REQUIREMENT: Uncertain
LANGUAGE PROGRAMMED IN: C
PRICE: Not yet determined
BRIEF DESCRIPTION: WARRANT is currently a project (funded by FIPSE) that represents an interdisciplinary attempt to teach reading, reasoning, and writing skills on powerful, large-screen personal computers, supporting high-resolution bit-map display graphics, and multiple-windowing. The project proceeds on three highly interactive levels: curriculum development, data collection and analysis, and system design and implementation.

TITLE: WORDSWORK (formerly Wordsworth II)
AUTHORS: Cynthia L. Selfe and Billie J. Wahlstrom, Department of Humanities, Michigan Technological University
PUBLISHER OR MARKETING ORGANIZATION: Benevolent Beast, Inc.
CONTACT PERSON: Billie Wahlstrom
ADDRESS: 1111 E. 6th Street
Houghton, MI 49931
PHONE: (906) 482-2654
AVAILABILITY: Module on Narratives available now; other modules under development.
HARDWARE: IBM PC
OPERATING SYSTEM: MS-DOS 2.1
MEMORY REQUIREMENT: 256 K
LANGUAGE PROGRAMMED IN: MTSA (Michigan Tech Software Authoring Language—a modified Pascal)
PRICE: Not yet determined
BRIEF DESCRIPTION: WORDSWORK will consist of eight process-based modules that supplement classroom instruction in composition. Each module focuses on one of eight writing assignments most commonly given in college composition classes: description, narration, personal writing, classification, evaluation, persuasion, and writing about literature. All modules are divided into two programs: PLANNING and POLISHING. PLANNING reviews for students the major lecture points associated with the assignment and involves them in strategies they can employ before beginning to write a paper: brainstorming for topic ideas, exploring and focusing potential topics through short journal entries or freewrites, organizing plot lines, and constructing audience profiles. POLISHING—divided into early, middle, and later draft branches—involves students in various strategies of revising, recasting, or proofreading the type of draft they bring with them to the computer.
TITLE: WRITEAID
AUTHOR: Arthur E. Winterbauer
PUBLISHER OR MARKETING ORGANIZATION: University of Denver
ADDRESS: Greg Wright
Computer Services
University of Denver
2020 S. Race, BA 469
Denver, CO 80208
AVAILABILITY: Available on "tar" tapes; no technical support.
HARDWARE: DEC VAX 11/750 and 11/780
OPERATING SYSTEM: Berkeley UNIX 4.2, or DEC Ultrix 32
MEMORY REQUIREMENT: Virtual memory management
LANGUAGE PROGRAMMED IN: Pascal and C-shell
PRICE: $75
BRIEF DESCRIPTION: WRITEAID helps students plan their papers before consulting with their instructors. It is divided into two sections: initial questions and in-depth interview. The student, after naming the broad topic area in which he or she will write, answers an initial set of questions. After this, the program directs the student back to the answers to these questions and probes for details. The program builds further probes based upon the student's answers to these probes. The program will recursively probe for more and more detail until the student has no more to say. Simultaneously, the program builds a sample outline for the student to critique. The teachers can control how the program interacts with students in their own classes by manipulating the question pool and the program's "vocabulary" (via separate interface programs).

TITLE: WRITER
AUTHORS: Richard Elias
PUBLISHER OR MARKETING ORGANIZATION: Ohio Wesleyan University
CONTACT PERSON: Richard Elias
ADDRESS: Department of English
Ohio Wesleyan University
Delaware, OH 43015
PHONE: (614) 369-4431
AVAILABILITY: Now
HARDWARE: DEC VAX-class computers
OPERATING SYSTEM: VMS version 3.0 or higher
MEMORY REQUIREMENT: NA
LANGUAGE PROGRAMMED IN: DCL, TECO
PRICE: No charge. Send self-addressed, stamped envelope and tape.
BRIEF DESCRIPTION: WRITER is a shell that allows a user to chain into a resident text editor and formatter and into specially written style- and error-checking programs. The program regards revision as an integral part of rhetorical invention and is intended
to help writers discover what they want to say about a topic by moving from draft to draft.

**TITLE:** WRITER  
**AUTHORS:** William Marling and Cynthia Marling  
(Specifications same as for GRADER program on page 149.)  
**BRIEF DESCRIPTION:** WRITER is the text editor that works with the Marlings' WRITER and GRADER programs. It uses most of Wordstar's commands but is simpler and has the added advantage of producing ASCII standard text files. Once students are taught editing with this easy-to-use program, they can move easily to the more sophisticated Wordstar program.

**TITLE:** WRITER'S HELPER  
**AUTHOR:** William Wresch, Department of Mathematics and Computer Science, University of Wisconsin—Stevens Point  
**PUBLISHER OR MARKETING ORGANIZATION:** CONDUIT  
**CONTACT PERSON:** James Leaven  
Marketing Manager  
**ADDRESS:** Oakdale Campus  
The University of Iowa  
Iowa City, IA 52242  
**PHONE:** (319) 353-5789  
**AVAILABILITY:** Now  
**HARDWARE:** Apple IIe or IIc with 80-column display board; IBM PC, PC-XT, and PCjr  
**OPERATING SYSTEM:** DOS 3.3, ProDIS (Apple); DOS 2.1 or higher (IBM)  
**MEMORY REQUIREMENT:** 64 K (Apple); 256 K (IBM)  
**LANGUAGE PROGRAMMED IN:** BASIC  
**PRICE:** $120 (Two PROGRAM disks, WORK disk, and documentation)  
$240 (Educator Pack, base package plus four addition copies of PROGRAM disk)  
**BRIEF DESCRIPTION:** WRITER'S HELPER is a collection of programs designed to help students find and creatively organize ideas, put those ideas in writing, and evaluate what they have written. The programs are arranged in two sections: (1) prewriting programs that offer eleven ways to select and explore a writing topic, and (2) text-analysis programs that analyze eleven characteristics of students' writing to help them locate grammatical errors and improve their writing style. The program can be used with most common word processors.
TITLE: UNIX* WRITER'S WORKBENCH** SOFTWARE
*Trademark of AT&T Bell Laboratories
**Trademark of AT&T Technologies
AUTHORS: J. C. Collymore, M. L. Fox, L. T. Frase, P. S. Gingrich,
S. A. Neenan, N. M. MacDonald
PUBLISHER OR MARKETING ORGANIZATION:
CONTACT PERSON: Commercial or education licensees contact sales office
ADDRESS: AT&T Technology System
Software Sales E2M33
P.O. Box 20046
Greensboro, NC 27420
PHONE: (800) 828-UNIX (8649)
AVAILABILITY: Release 2.0 available now
HARDWARE: AT&T 3B20, 3B2, 3B5; DEC PDP 11/70, or DEC VAX
OPERATING SYSTEM: UNIX System V
MEMORY REQUIREMENT: Uncompiled source code 1500 disk blocks. During Compilation, 2800 more free blocks are temporarily needed for the building and installation process. The final compiled versions take up about 2000 512-byte blocks.
LANGUAGE PROGRAMMED IN: C and Lex. Most of the programs use shell language for front-end error checking.
PRICE: Source = $4000 ($2000 academic)
Binary = (3B2 and 3B5 only) $1700 ($850 academic)
BRIEF DESCRIPTION: WRITER'S WORKBENCH is a set of programs that analyze prose documents stored in the computer and suggest improvements to the writing. The programs fall into three major areas: (1) proofreading, (2) stylistic analysis, and (3) on-line information about English usage. Among other writing faults, the programs detect split infinitives, errors in spelling and punctuation, overly long sentences, wordiness, and passive constructions. Included as part of its stylistic analysis are four readability indexes. There is also a program to evaluate text organization.

TITLE: UNIX WRITER'S WORKBENCH COLLEGIATE EDITION
(Specifications approximately the same as for WRITER'S WORKBENCH program on page 167.)
PRICE: Software $1500. Complete package of software, hardware (AT&T 3B2 computer with extra memory and expansion slots, 12 AT&T terminals, and printer), documentation, and UNIX System V Operating System costs approximately $25,000 (for educational institutions).
BRIEF DESCRIPTION: This edition of WRITER'S WORKBENCH is a comprehensive set of text-revision and word-processing tools developed to relieve instructors and students from the drudgery of checking for many weaknesses in diction, mechanics, and style. The researchers at AT&T's Bell Laboratories based their work for this pro-
gram on the findings of experimental psychologists and experts in
effective writing (e.g. Lanham, Strunk and White, Millward). AT&T
also cooperated with the English department of Colorado State
University in developing enhancements for WRITER'S WORKBENCH to make it suitable for use in high school and college
writing programs.

TITLE: UNIX WRITER'S WORKBENCH PROFESSIONAL
EDITION 3.0
(Specifications approximately the same as for WRITER'S WORKBENCH program on page 167.)
PRICE: $795 for AT&T 3B2; $1195 for AT&T 3B5
BRIEF DESCRIPTION: This edition of WRITER'S WORKBENCH
is for the professional already familiar with on-line writing. It is less
instructional and more interactive than the Collegiate Edition. It
contains more programs and uses different standards and dicionaries. Unlike the Collegiate Edition, it is not packaged with
administrative software. An enhanced version of the original
WRITER'S WORKBENCH Software, Release 3.0 features interactive
proofreading, as well as compatibility with any word processor that
can produce ASCII files and many of the new analysis programs.

TITLE: THE WRITE WELL TUTORIAL SERIES
AUTHOR: Deborah H. Holdstein, Director of Writing Programs,
Governors State University
PUBLISHER OR MARKETING ORGANIZATION:
Undecided
CONTACT PERSON: Deborah H. Holdstein
Director of Writing Programs
ADDRESS: Governors State University
University Park, IL 60466
PHONE: (312) 534-5000, ext. 2453
AVAILABILITY: Now
HARDWARE: Apple II+ and IIe
OPERATING SYSTEM: DOS 3.3
MEMORY REQUIREMENT: 64 K
LANGUAGE PROGRAMMED IN: BASIC
PRICE: Not yet determined
BRIEF DESCRIPTION: This series includes eight interactive,
tutorial programs (not drill and practice) on aspects of the writing
process. Modules include the following: Comma I, Comma II,
Sentence Parallelism I, Sentence Parallelism II, Subject-Verb
Agreement, Mastering Punctuation, Colon/Semi-Colon, Dangling
Constructions (more under development). Each module balances
instruction with "problem-solving," and when possible, has the
student simulate the actual composing process. Other programs
forthcoming in this series have to do with professional/technical
communication and sentence style.
CALL FOR INFORMATION: Please let me know about any software development that has not been included in this bibliography, or of any changes in the information presented here.

Texas A & M University
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