

SOFTWARE SURVEY SECTION

Editor's Note: The following Software Descriptions have been submitted by our readers in response to our call for an open exchange of information on software programs. They are offered without review or comment to provide a rapidly published, easily accessible avenue of communication. Other readers with relevant software packages are invited to complete and submit a Software Description Form (found at the end of this section).

Software package BP-009-S86

SAM

Contributor: Vernon Reichenbecker, Department of Biochemistry, Marshall University, Huntington, WV 25701

Brief description: SAM is a clinical simulation of interest to those studying medicine, biochemistry, genetics and other biological disciplines. It assesses students' knowledge and helps with hints and references to a standard textbook. SAM is a child with Lesch-Nyhan Syndrome, caused by a genetic defect which leads to complete deficiency of hypoxanthine-guanine phosphoribosyltransferase (HPRT). The program lets students examine the patient, consult colleagues, do tests, consider treatments and explore the genetic implications for Sam's family.

Potential users: Students of medicine, genetics, biochemistry.

Fields of interest: Biochemistry, endocrinology, physiology.

§ This application program in the area of clinical biochemistry has been developed for Apple II to run under DOS 3.3. It is available on 5-1/4" floppy diskette. Required memory is 48K.

§ Distributed by Elsevier-Biosoft.

§ No user training is required. There is extensive external documentation. Source code not available.

§ The package is fully operational.

Software package BP-010-S86

JAKE

Contributor: Professor M.C. Blanchaer, Department of Biochemistry, University of Manitoba, Canada

Brief description: JAKE is an interactive case study of a four year-old boy who presents with recurring respiratory infection accompanied by drowsiness and mild congestive heart failure. Examination reveals physical and biochemical abnormalities which the student investigates in order to propose treatment. He has carnitine deficiency. JAKE is excellent study and revision material for students of medicine, biochemistry, genetics and other biological disciplines.

Potential users: Students of medicine, genetics, biochemistry.

Fields of interest: Biochemistry, endocrinology, physiology.

§ This application program in the area of clinical biochemistry has been developed for Apple IIe in Superpilot. It is available on 5-1/4", dual-sided, double-density floppy diskette. Required memory is 64K.

§ Distributed by Elsevier-Biosoft.

§ No user training is required. There is extensive external documentation. Source code is available.

§ The package is fully operational. It has been in use at 1 site for approximately 1 month.

NAME OF JOURNAL BIOCHEMICAL PHARMACOLOGYP E R G A M O N
SOFTWARE DESCRIPTION FORMTitle of software package: _____

_____It is: ☐ Application program ☐ Utility ☐ Other _____Specific area _____
(e.g. Thermodynamics, Inventory Control)

Software developed for [name of computer(s)] _____

in [language(s)] _____

to run under [operating system] _____

and is available in the following media:

☐ Floppy disk/diskette. Specify:Size _____ Density _____ ☐ Single-sided ☐ Dual-sided☐ Magnetic tape. Specify:

Size _____ Density _____ Character set _____

Distributed by: _____

Minimum hardware configuration required: _____

Required memory: _____ User training required: ☐ Yes ☐ NoDocumentation: ☐ None ☐ Minimal ☐ Self-documenting
☐ Extensive external documentationSource code available: ☐ Yes ☐ NoLevel of development: ☐ Design complete ☐ Coding complete
☐ Fully operational ☐ Collaboration would be welcomedIs software being used currently? ☐ Yes ☐ No
If yes, how long? _____ If yes, how many sites? _____Contributor is available for user inquiries: ☐ Yes ☐ No

Return completed form to:

Dr. David Stagg
Department of Pharmacology
Yale University School of Medicine
333 Cedar Street
New Haven, CT 06510

(continued)

[This Software Description Form may be photocopied without permission]

Description of what software does [200 words]:

Potential users: _____

Fields of interest: _____

#

Name of contributor: _____

Institution: _____

Address: _____

Telephone number: _____

#

Reference No. [Assigned by Journal Editor]_____

[The information below is not for publication.]

Would you like to have your program:

Reviewed? ☐ Yes ☐ No ☐ Not at this time
Marketed and distributed? ☐ Yes ☐ No ☐ Not at this time

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