



**Our optical reader can do anything your keypunch operators do.**

**(Well, almost.)**

It can't get mad and make silly mistakes. Or pout for days. Or cry. But it *can* read. And gobble data at the rate of 2400 typewritten characters a second. It can read hand printing, too. And compute while it reads. And reduce errors from a keypunch operator's one in a thousand to an efficient one in a *hundred* thousand.

Our machine reads upper and lower case characters in intermixed, standard type fonts. It can handle intermixed sizes and weights of paper, including carbon-backed sheets.

An ordinary computer program tells our reader what to do . . . to add, subtract, edit, check or verify as it reads. Lets you forget format restrictions, leading and trailing zeros, skipped fields, and fixed record lengths. And our reader won't obsolete any of your present hardware because it speaks the same output language as your computer.

Our Electronic Retina Computing Reader can replace all—or almost all—of your keypunch operators. At least that's what it is doing for Perry Publications.

If you have a volume input application, it can do the same for you. Tell us your problem and we'll tell you how.

 **RECOGNITION EQUIPMENT** Incorporated

U. S. Headquarters: Dallas, Texas 214-637-2210 Offices in principal U. S. cities, subsidiaries in Frankfurt, London, Milan, Paris and Stockholm

CIRCLE 4 ON READER CARD

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Figure 1: Recognition Equipment OCR Ad, 1967. *Datamation*, June 1967, p. 1





When programmer Carol Ching ignores our tape, we know we're doing our job.

Photo and Carol, courtesy Wells Fargo Bank

... programmer Carol Ching expects magnetic tape to be as long as it's error free, she can ignore it. To make sure she ignores it, we've tailored our 870 Series CATT tape to be a product as trouble-free as possible. Every reel of Ampex 870 CATT tape gets the full treatment in the world's most modern tape plant. It never sees a transport. Our special formulation and manufacturing process eliminates data destroying dropouts. A secondary finishing process makes Microsheen® tape flawlessly smooth for longer tape and head life. Precision slitting eliminates problems and edge debris that cause transient errors. To ensure there are no manufacturing defects, we completely test every inch of every computer tape. For the final touch we superclean every reel of tape during final winding, hermetically seal it in a canister and pack it in a tape safe while still in our clean room—a lot of work in order to go unnoticed!

If you've got something you want to record—if you want to get the results and forget the tape—come to the people who pioneered the tape recording industry. Call or write: Ampex Corporation, Magnetic Tape Division, 401 Broadway, Redwood City, California 94063.



**AMPEX**

TAPES FOR EVERY NEED

INSTRUMENTATION • COMPUTER • AUDIO • CCTV • VIDEO • STEREO

Figure 3: Ampex Magnetic Tape Ad, 1969. *Datamation*, May 1969, p. 51

# Burroughs Engineering People

provided Burroughs with a tremendous flow of advanced new products.

Ours is an innovative business, and we know that our continuing success depends heavily upon the quality of our people. We look for men and women who have an open approach to product design and development, rather than those with fixed ideas and ways of doing things.

There are several ways in which you can begin your engineering career at Burroughs. For example, you can join one of our computer system and peripheral equipment design teams, which have hardware and software responsibilities for advanced projects in system development and integration, machine architecture, circuit design, and engineering programming. Typical requirements include a BS or MS in Electrical Engineering, Mechanical Engineering, or Computer Science. Applicants with other technical degrees that include a heavy concentration of computer courses may also qualify.

Alternatively, you can join our component engineering activity, where we have major programs for the design and development of integrated circuits, interconnection devices, memory systems, power supplies, and other components used in our computers and business equipment. Entry level qualifications are a BS or MS in either Electrical Engineering or Chemistry.

Another area of opportunity for engineering graduates is in the design and development of our extensive range of business forms and supplies products. In this area we require graduates with degrees in either Printing Technology or Organic Chemistry.

Career development in all engineering areas offers excellent promotion opportunities leading to management positions or to increased specialization in a particular field.

**Glyn Jones** is Manager of Applications for the Computer Systems Group at Mission Viejo, California. He received a BS in 1969 and Mathematics from the University of Wales and studied at U.C.L.A. in 1967 as a Fulbright Scholar. He is an Associate Mathematician in 1969 and subsequently held positions as Mathematician, Senior Mathematician, Programmer, and Staff Engineer—Systems. He was named Project Manager. System development in 1972 and to the position later the same year.

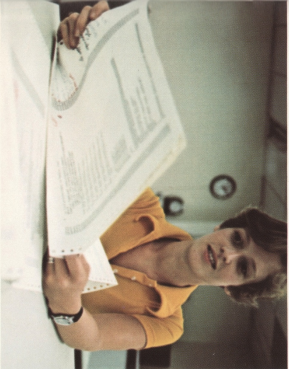


**Bonnie Allison**, a student at Southern University, is completing her M.S. in Computer Science Program.



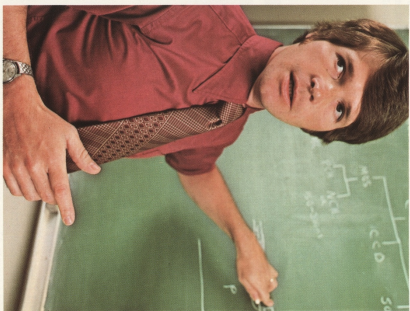
Above: **George Pevzlyck**, Engineer, Federal & Special Applications, Burroughs, New Jersey (BS and MS, Mechanical Engineering, Newark College of Engineering).

Right: **Rulon Smith**, Design Engineer, Burroughs Plant, Princeton, New Jersey (BS, Electrical Engineering, Michigan).



Left: **John Williams** (left), Senior Chemist (BS, Chemistry, S.U.N.Y.—Albany; MS and PhD, Organic Chemistry, Chemistry, S.U.N.Y.—Brooklyn; MS, Organic Chemistry, Rochester)—Business Forms & Supplies Group, Rochester, New York.

Below left: **Susan Avrahamson**, Assistant Engineering Programmer, Computer System Group, 'bed/yfrh, Punny/vvnuh (BS, Mathematics, Hartford).



**Kent McCune** is Manager of Advanced Semi-Conductor Engineering at the Components Group plant in Piscataway, New Jersey. He joined Burroughs as a Staff Engineer in 1973 after receiving a BS in 1964, an MS in 1966, and a PhD in 1968 from the University of Tennessee. Engineering and all from the University of Tennessee.

Figure 4: Recruiting Brochure: “Consider Burroughs... Where People Make the Difference,” 1974