

Call For Nominations Of Candidates For The 1982 SID Honors And Awards

The SID Honors and Awards Committee is soliciting your help in nominating qualified candidates for Fellow, for the Frances Rice Darne Memorial Award, and for Special Recognition Awards. General qualifications based on the SID Bylaw requirements for honors and awards are given below.

(1) FELLOW

The grade of Fellow is one of unusual professional distinction conferred by the Board of Directors, acting on the recommendation of the Honors and Awards Committee, upon a *SID member* of outstanding qualifications and experience as a scientist or engineer in the field of Information Display. The candidate shall have made a widely recognized and significant contribution to the advancement of the field. The nomination must be supported and signed by at least five members in good standing.

1982 Guidelines For SID Honors And Awards Nominations

Nominations for SID Honors and Awards should be concise, but they *must* include the following information, preferably in the order given below.

- (1) Name, Present Occupation, Business and Home Address, and SID Membership Grade (Member or Fellow) of Nominee.
- (2) Award being recommended: (a) Fellow*, (b) Francis Rice Darne Memorial Award, (c) Special Recognition. *Fellow nominations must be supported and signed by at least five SID members.
- (3) Proposed Citation — this should not exceed thirty words.
- (4) Name, Address, Telephone Number, and SID Membership Grade of Nominator.
- (5) Education and Professional History of Candidate—Include college and/or university degrees, positions and responsibilities of each professional employment.
- (6) Professional Awards and Other Professional Society Affiliations and Grades of Membership.

(2) FRANCES RICE DARNE MEMORIAL AWARD

The Frances Rice Darne Memorial Award is awarded periodically, but not more than once each year, to a *Society member* for an outstanding technical achievement (as opposed to teaching, publication, or service) in, or contribution to, the display field. The award is made by the Board of Directors acting on the recommendation of the Honors and Awards Committee.

(3) SPECIAL RECOGNITION AWARDS

Special citation awards are given to members of the technical and scientific community, not necessarily SID members, for distinguished and valued contributions to the Information Display field. These awards may be made for contributions in one or more of the following categories:

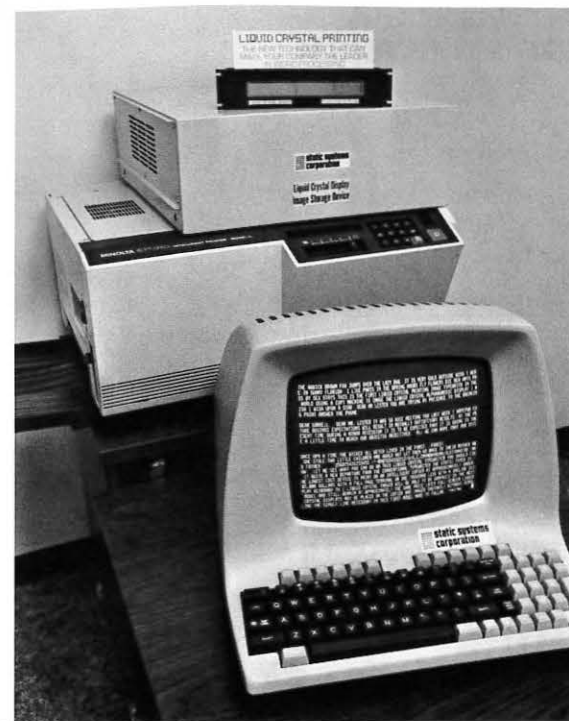
- a. Outstanding technical accomplishments.
- b. Outstanding contributions to the literature.
- c. Outstanding service to the Society.

Nominations should comply with the 1982 Guidelines for SID Honors and Awards Nominations, and they should be submitted to the Honors and Awards Committee Chairman at any time during the year, but no later than June 30, 1981.

- (7) Specific statement by the nominator concerning the most significant achievement or achievements or outstanding technical leadership which qualifies the candidate for the award. This is the most important consideration for the awards committee, and it should be specific (citing references when necessary) and concise.
- (8) Supportive material: Cite specific evidence such as patents, publications, SID activities, other technical and/or professional society activities, evidence of outstanding leadership, etc. *Please be specific and concise.* Cite material that directly supports the citation and statement in (7) above. Limit the evidence to the most important patents, publications, or service — do not generalize.
- (9) References: Fellow nomination *must* be supported by the references indicated in (2) above. Supportive letters of reference will strengthen the nomination for any award.

Send the complete nomination—including all the above material—to the Honors and Awards Chairman by June 30, 1981.

I. Reingold, Chairman
SID Honors and Awards Committee
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Intelligent Copier Using Liquid Crystal Dot Matrix Imaging For Printing

Shown here from Static Systems Corporation, New York City, is a photograph of the first liquid crystal printing intelligent copier. Any RS232 plug serial or parallel display computer type or word processing terminal may be plugged into the copier up to a maximum of 16 units with collator. The copier shown is the EP310 self-diagnostic electronic copier made by Minolta. This has a Static Systems Corporation liquid crystal imager made by Hitachi, with upper-lower case single-line page width display of 80 characters. The mounted imager display box on the copier where the cover would normally be also contains a strobe unit flashed every tenth of a second and synchronized to the speed of the liquid crystal display, which is 100 milliseconds. This is equal to 10 lines per second or four to five seconds for the average page.

According to SID member Bob Lester, president of Static Systems corporation, the liquid crystal speed is synchronized to the drum speed of the copier. The purpose of the strobe light is to illuminate the liquid crystal matrix display prior to the change, preventing any blur such as would occur if a continuous light source were left on between changes due to the slowness of the display. However, direct-driven dot matrix liquid crystals of high speed (less than one millisecond on-off) will be available later this year, eliminating the strobe light and allowing the use of the fastest copy machines available.

Looking ahead to the next few years, the inventor expects that full screen (page size) for graphic quality allowing any style of font will be available for imaging, eliminating the scrolling of the single line alphanumeric dot matrix LCD.

Liquid crystal imaging provides solid state graphics at very low cost and with exceptionally low power requirements. Liquid crystal image printing is another new method to be added to the list, such as lasers, fiber optics, thermal, inkjet, electrostatic and all types of impact printers, with advantages over all of the above, says Lester.

Chomerics Offers Lifetime Keyboard Guarantee

Chomerics, Inc. Woburn, MA, a major membrane keyboard manufacturer, recently announced it will offer lifetime guarantees on its Fastype™ line of alphanumeric keyboards. The guarantee covers end-product keyboard use, and is said to be the first available in the A/N keyboard market.

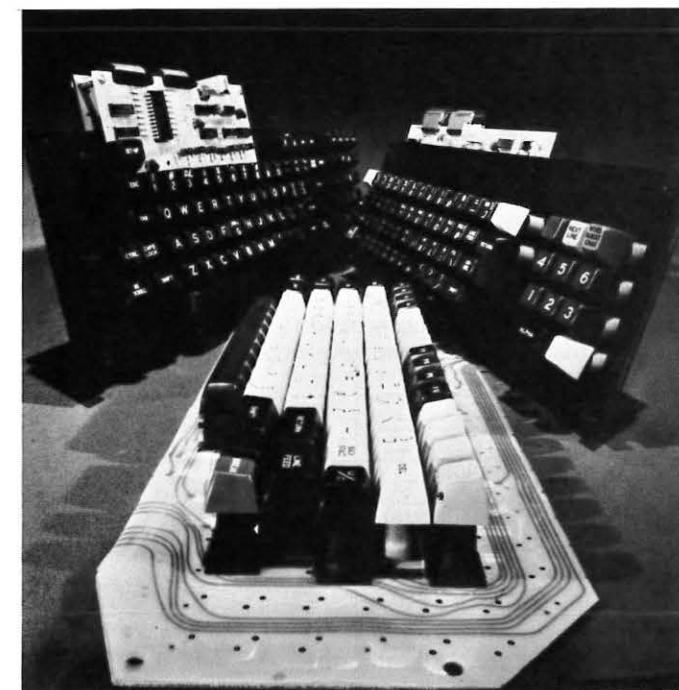
In making the announcement, Len Halio, general manager of Chomerics alphanumeric products said: "Issuance of a lifetime guarantee reflects the quality and reliability of our Fastype keyboards. Since we have complete control over the manufacturing process—from conductive ink formulation to keytop production—it is only natural that we stand behind our products.

"Furthermore, Chomerics is in the unique position of being the world leader in membrane switch technology. The company invented this technology in the late '60s and holds more than 100 patents covering the spectrum of material and component developments critical to its reliability and economy," said Halio.

In outlining the guarantee program, Chomerics stated that it will unconditionally replace any keyboard that becomes defective in the course of normal operation in end-use applications. Halio said, "This does not cover damage resulting from abuse. It is effective with shipments on or after January 1, 1981."

Chomerics, with nearly half of the membrane keyboard market, introduced a complete line of high-end, alphanumeric membrane keyboards last year. Membrane switches are said to provide a cost-effective alternative to both conventional electromechanical and solid state switch-based keyboard designs.

Halio points out that Chomerics has delivered more than 15 million membrane keyboards for over 1,000 applications since 1970. Its keyboards are currently integrated into products such as a computerized PABX system, an industrial robot, appliances, telephones, electronic toys, instruments, and terminals.



Lifetime guarantee now offered on Fastype™ line of alphanumeric membrane keyboards from Chomerics Inc.