

tion of abstracts, and contribution to the creation of the Copyright Clearance Center, Inc. (CCC).

1982 - Robert Fugmann - for development of the GREMAS system (Genealogical REtrieval of MAGnetic tape Storage), the first truly sophisticated computerized retrieval system, based on a faceted hierarchical fragment code for each part of a chemical molecule, and for development of the TOSAR system (TOPOlogical representation of SYnthetic and ANALYTICAL system Relations) for the retrieval of reactions and other concepts, including establishment of indexing concepts for nonstructural information and creation of theoretical basis of information systems.

1983 - Russell J. Rowlett, Jr. - for guiding *Chemical Abstracts*' transition from a manually produced abstracting and indexing publication to a computer-generated family of products, and for his leadership in the improvement of patent coverage, the CAS Registry System, timeliness of CA Volume and Collective Indexes, and quality control through a shift from volunteer abstractors to full-time professional document analysts and through the unified document analysis utilizing to the fullest extent man-machine interactions.

1984 - Montagu Hyams - for contribution to handling of patents by founding in 1951 a one-man business from his house, Derwent, which through his vision, leadership, and business acumen has become, as Derwent Publications Limited, the world leader in patent-based information services producing a diversified range of patent- and journal-based information services available both in printed form and as online computer-searchable databases.

1986 - Dale B. Baker - for leadership of Chemical Abstracts Service (CAS) in its move from the conventional abstracting and indexing service of the 1950's to the world's premier automated information storage and retrieval system through courageous embarkation on new paths and approaches including promotion of international sharing of scientific and technical information, which provided direction for the entire information industry.

1987 - William Theilheimer - for pioneering a chemical reaction documentation system, embodied in 40 yearbooks of "Theilheimer's Synthetic Methods of Organic Chemistry" and paving the way to modern chemical reaction databases through codification of chemical reactions and categorization of reactions in terms of reaction type and

essential bond breaking and formation.

1988 - David R. Lide, Jr. - for the creation of the National Standard Reference Database Series of computer-searchable numeric databases, administration of the Standard Reference Data Program of the National Bureau of Standards, founding and editing the *Journal of Physical and Chemical Reference Data*, and participation in national and international data activities of the International Union of Pure and Applied Chemistry (IUPAC) and the Committee on Data for Science and Technology (CODATA).

1989 - Michael F. Lynch - for pioneering research of more than two decades on the development of methods for the storage, manipulation, and retrieval of chemical structures and reactions as well as related bibliographic information, including generic structure storage and retrieval, automatic subject indexing, articulated subject index production, document retrieval system, and database management.

- **Stuart A. Marson** - for development of innovative, user friendly software which has allowed the bench chemist to more productively utilize chemical information as daily resource such as the first complete commercial system for graphic input, storage, searching, and retrieval of chemical structures (MACCS) and the chemical reaction information system (REACCS).

1990 - Ernst Meyer - for playing a major role in revolutionizing chemical information technology through the use of computer methodology since the late 1950's for input and searching techniques for topological and fragment representation of chemical substances, including generic or Markush structures and considering structure-activity correlations.

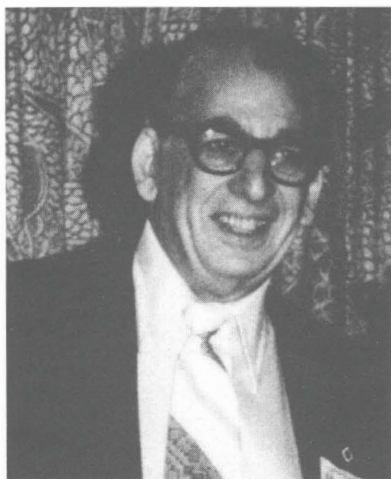
1991 - W. Todd Wipke - for pioneering work in the development of methods for representing and manipulating chemical information such as computer-assisted design of organic syntheses, simple interfaces and smart systems, methods for molecular modeling and conformational analysis, and editorial innovations in starting an electronic journal *Tetrahedron Computer Methodology*.

1992 - Jacques-Emile Dubois - for the development of the DARC Topological System which led to various applications in search and retrieval of chemical substructures and structures and in artificial intelligence such as in applying sequences of substructure, structure, and

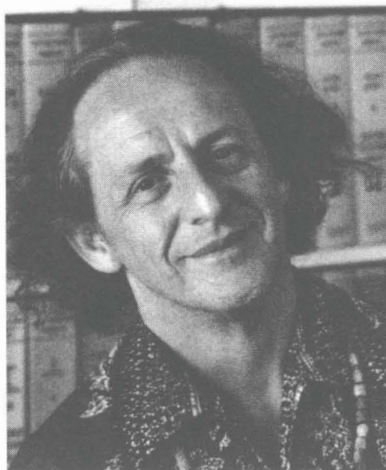
hyperstructure in locating chemical entities in their structural context and in evaluation of their local or global properties according to topological or topographical information.

1993 - Peter Willett - for contributions to the development of chemical information science which includes the identification of reaction sites and the development of maximal common subgraph algorithms in reaction retrieval systems, the introduction of similarity measures through classification and clustering in chemical substructure searching, 3-D searching of chemical molecules and biological macromolecules, and text searching.

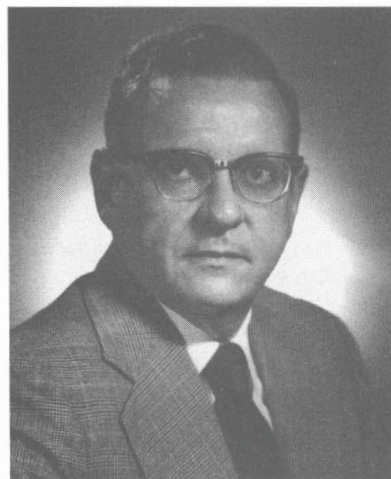
Herman Skolnik Award Winners



1976 - Herman Skolnik



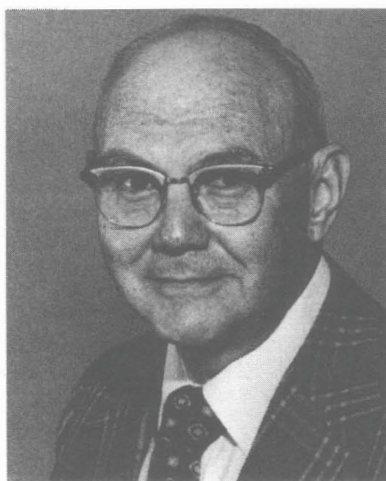
1977 - Eugene Garfield



1978 - Fred A. Tate



1980 - William J. Wiswesser

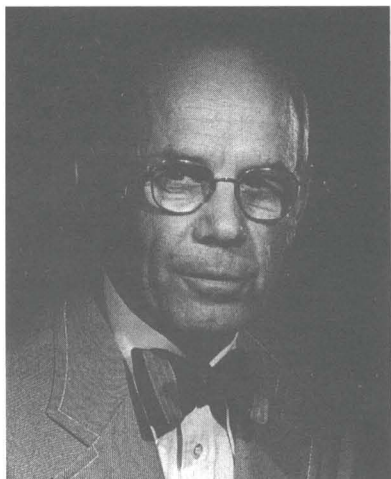


1981 - Ben H. Weil

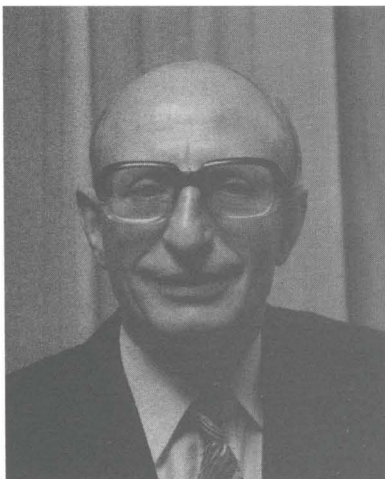


1982 - Robert Fugmann

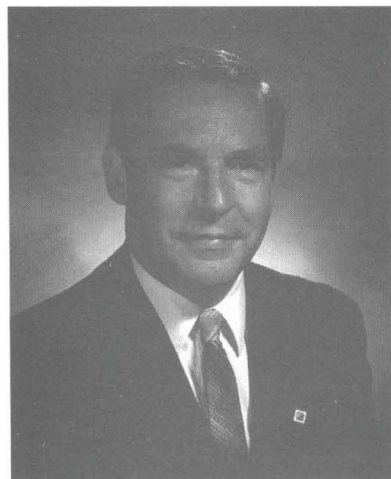
Herman Skolnik Award Winners



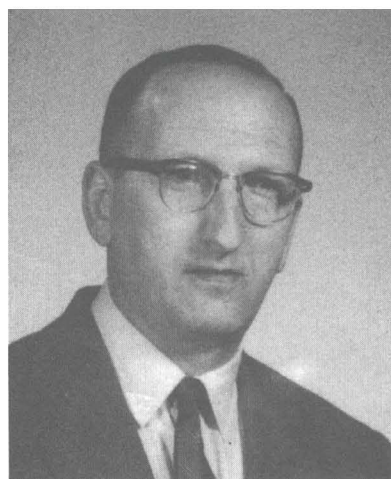
1983 - Russell J. Rowlett, Jr.



1984 - Montagu Hyams



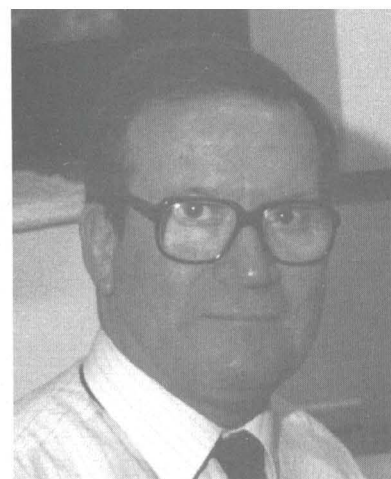
1986 - Dale B. Baker



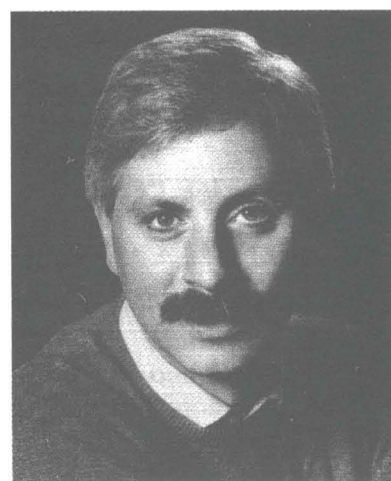
1987 - William Theilheimer



1988 - David R. Lide, Jr.



1989 - Michael F. Lynch



1989 - Stuart A. Marson



1990 - Ernst Meyer



1991 - W. Todd Wipke

Herman Skolnik Award Winners



1992 - Jacques-Emile Dubois



1993 - Peter Willett

Awards Committee

In 1986, the Awards Committee was reestablished under the chairmanship of Merle I. Eiss (1986-1988) with the goals to better define and formalize requirements for the Herman Skolnik Award, to investigate the possibility of the Award being made an ACS National Award, including the incorporation of the Patterson-Crane Award into the ACS National Award, and to institute a Student Scholarship Award. The Committee also considered the establishment of an award for the best paper submitted to the *Journal of Chemical Information and Computer Sciences*.

These matters continued to be considered during the next few years under the chairmanship of W. Val Metanomski (1989), Ruthann Bates (1990), and Edlyn S. Simmons (1991-1993). In 1989, the Executive Committee accepted the recommendation for the Herman Skolnik Award Selection Jury to consist of the Divisional Chairman, Divisional Chairman-Elect, and the Divisional Awards Committee Chairman. Prior to that, the Divisional Past-Chairman was a member of the Selection Jury. The suggested award for the best paper did not get the support from the new Editor of the Journal, George W. A. Milne, and his Editorial Advisory Board, and the idea was abandoned accordingly.

In 1991, the Committee made several recommendations, which were subsequently approved by the Executive Committee:

- to discontinue any considerations and efforts towards making the Herman Skolnik Award an ACS National Award, and rather to build an appropriate Divisional endowment and work

toward making this internationally recognized annual Award even more prestigious by increasing the honorarium

- to establish the Divisional Meritorious Service Award for outstanding contribution to the Division
- to award Certificates of Appreciation to outgoing Divisional Officers, Committees' Chairmen, and other Members, who deserved thanks for service and valued contributions

Meritorious Service Award

This Award was established in 1992 to recognize a member's outstanding contribution to the Division. The criteria for the Award are, for instance, preparation of a major report or study, continuing leadership in a particular area, or sustained active contribution to major tasks over many years.

W. Val Metanomski was the first recipient of the Award given at the Divisional luncheon at the 204th ACS National Meeting in Washington, DC, on August 25, 1992. He was cited for his contributions to the Program Committee (1976-1983), his leadership as Divisional Chairman (1987), and the fulfillment of numerous other tasks including the latest commitment to prepare a history of the Division for the 1993 celebration of the 50th anniversary of chemical information within the ACS. The Division was awarded the ACS Outstanding Intermediate Division Award in 1982 and 1987, when he was its Program Chairman and Divisional Chairman, respectively.