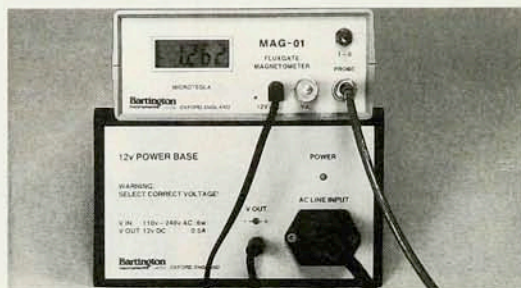


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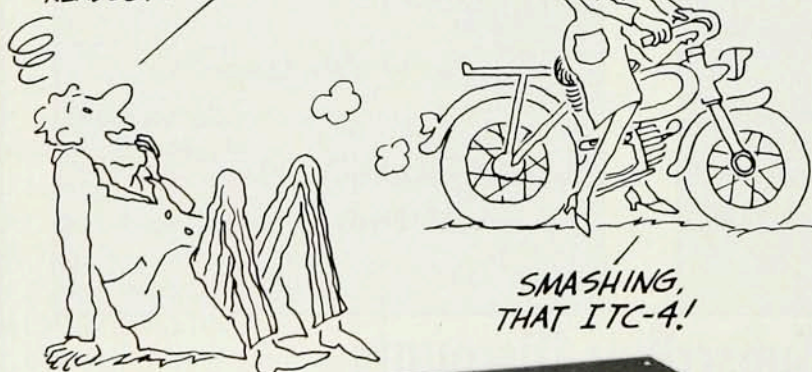
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ry in 1983. He spoke at the New Orleans meeting on photomodulation studies of gap states in doped amorphous hydrogenated silicon.

NAS elects new members

The National Academy of Sciences in April elected the following new members whose work is in physics or related fields: Stephan Berko (Brandeis University), Eric E. Conn (University of California, Davis), Lawrence F. Dahl (University of Wisconsin), Russ E. Davis (Scripps Institution of Oceanography), Robert E. Dickinson (National Center for Atmospheric Research), Thomas Dunne (University of Washington), Mitchell J. Feigenbaum (Rockefeller University), Roy J. Glauber (Harvard University), James P. Gordon (AT&T Bell Laboratories, Holmdel, New Jersey), Frances K. Graham (University of Delaware), Theodore E. Harris (University of Southern California), Herbert A. Hauptman (State University of New York at Buffalo), John K. Hulm (Westinghouse Research Laboratories, Pittsburgh), Joseph Kraut (University of California, San Diego), Rolf W. Landauer (IBM Thomas J. Watson Research Center, Yorktown Heights, New York), Donald H. Levy (University of Chicago), Alexander Pines (University of California, Berkeley), John D. Reppy (Cornell University), Edwin W. Roedder (Harvard), Robert J. Shepherd (University of Kentucky), Anthony E. Siegman (Stanford University), Hyron Spinrad (Berkeley), George D. Watkins (Lehigh University), Edward Witten (Institute for Advanced Study and Princeton University), Alfred P. Wolf (Brookhaven National Laboratory) and M. Gordon Wolman (Johns Hopkins University). The following individuals were elected foreign associates: David R. Cox (Imperial College of Science and Technology, UK), Jack D. Dunitz (Swiss Federal Institute of Technology), Dan P. McKenzie (University of Cambridge), P. James E. Peebles (Princeton), Raymond A. Price (Geological Survey of Canada), Heinrich Rohrer (IBM Zurich Research Laboratory), Jens C. Skou (University of Aarhus, Denmark) and Walter E. Thirring (University of Vienna).

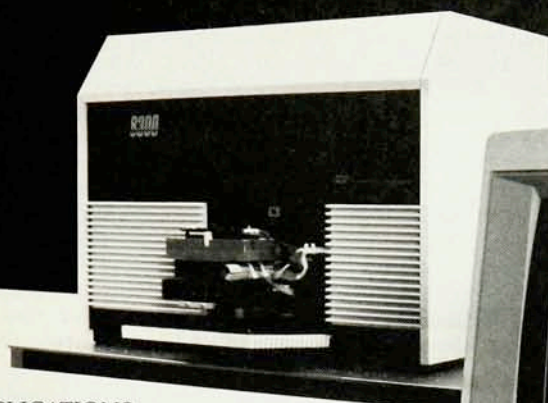
The academy elected the following individuals last year: Elihu Abrahams (Rutgers University), Robert A. Berner (Yale University), Manuel Cardona (Max Planck Institute for Solid State Research, FRG), Eugene Commins (Berkeley), Donald M.

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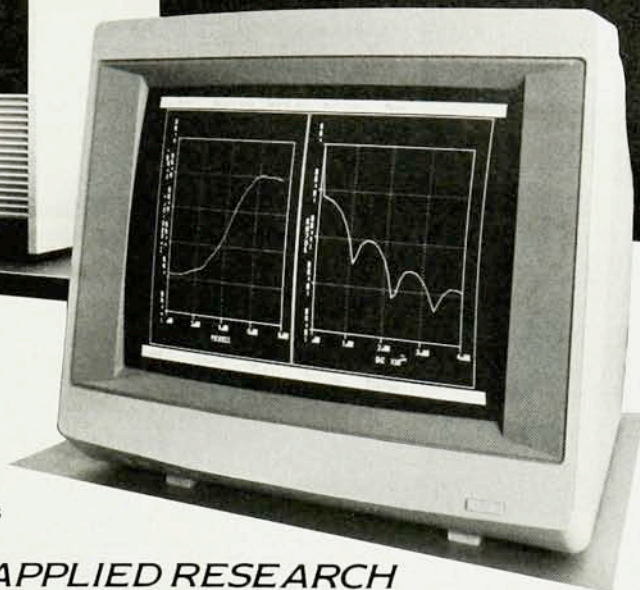
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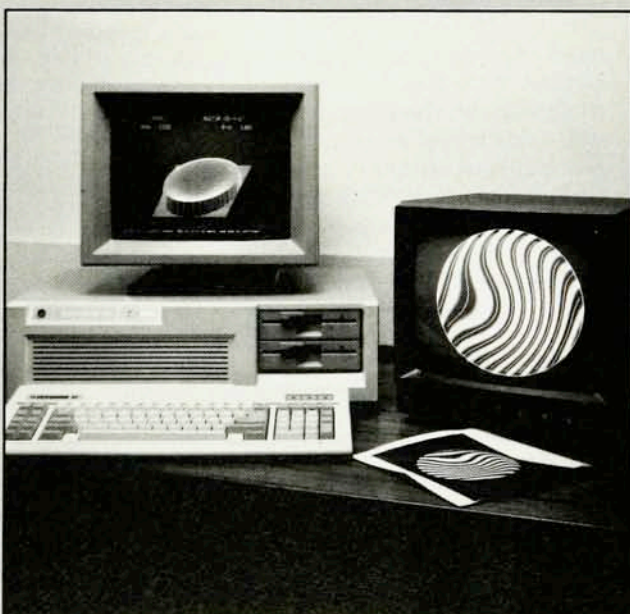
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Crothers (Yale), Ernest Davidson (Indiana University), T. Kenneth Fowler (Lawrence Livermore National Laboratory), Robert B. Griffiths (Carnegie-Mellon University), Hermann A. Haus (MIT), Bela Julesz (AT&T Bell Labs, Murray Hill, New Jersey), William M. Kaula (UCLA), William Miller (Berkeley), Douglas D. Osheroff (then at Bell Labs, Murray Hill, now at Stanford University), Morton B. Panish (Bell Labs, Murray Hill), Jack Sandweiss (Yale), John P. Schiffer (Argonne National Lab), Frank Shu (Berkeley), Robert E. Tarjan (Bell Labs, Murray Hill), Patrick Thaddeus (Smithsonian Astrophysical Observatory and Harvard) and Daniel Tsui (Princeton). The academy also elected the following foreign associates: Gerd K. Binnig (IBM, Zurich), Pierre-Gilles de Gennes (École de Physique et Chimie, Paris), Charles Frank (University of Bristol, UK), Benoit Mandelbrot (IBM, Yorktown Heights), Manuel Peimbert (National University of Mexico, Mexico City), Carlo Rubbia (CERN and Harvard), Roald Z. Sagdeev (Institute for Space Research, Moscow) and Guangzhao Zhou (Institute of Theoretical Physics, Beijing).

NAE ELECTS NEW MEMBERS

The National Academy of Engineering in February elected the following new members whose work is in physics or related fields: Laurence J. Adams (Martin Marietta, Bethesda, Maryland), William F. Ballhaus Jr (NASA Ames Research Center, Moffett Field, California), Robert R. Berg (Texas A&M University), Howard K. Birnbaum (University of Illinois, Urbana), Leroy L. Chang (IBM Thomas J. Watson Research Center, Yorktown Heights, New York), Praveen Chaudhari (IBM, Yorktown Heights), Hsien K. Cheng (University of Southern California), Jon F. Claerbout (Stanford University), Aaron Cohen (NASA Johnson Space Center, Houston), Neville G. W. Cook (University of California, Berkeley), H. Ted Davis (University of Minnesota, Minneapolis), Dean E. Eastman (IBM, Yorktown Heights), Helen Edwards (Fermilab), James Gould (Mueser Rutledge Consulting Engineers, New York, New York), Chieh-Su Hsu (Berkeley), George E. Keller II (Union Carbide, South Charleston, West Virginia), Louis J. Lanzerotti (AT&T Bell Laboratories, Murray Hill, New Jersey), James U. Lemke (Recording Physics, San Diego, California), Albert Macovski (Stanford), John L.

Mason (Garrett, Los Angeles), John B. Mooney Jr (US Department of the Navy, Arlington, Virginia), Clayton D. Mote Jr (Berkeley), Robert M. Nerem (Caltech), John T. Oden (University of Texas, Austin), Carel Otte Jr (Unocal, Los Angeles, California), Frank L. Parker (Vanderbilt University), Ronald R. Parker (MIT), Val P. Peline (Lockheed Missiles and Space Company, Sunnyvale, California), Enders A. Robinson (Tulsa University), Don W. Shaw (Texas Instruments, Dallas), Joanne Simpson (NASA Goddard Space Flight Center, Greenbelt, Maryland), John A. Simpson (National Bureau of Standards, Gaithersburg, Maryland), Richard Skalak (Columbia University), William J. Spencer (Xerox Corporation, Stamford, Connecticut), David A. Thompson (IBM, Yorktown Heights), Julia R. Weertman (Northwestern University), Forman A. Williams (Princeton University) and Ward O. Winer (Georgia Institute of Technology). Robert F. Legget (Canadian Academy of Engineering, Ottawa) was elected as a foreign member.

ROYAL SOCIETY ELECTS NEW FELLOWS

The Royal Society has elected as Fellows the following people whose work is in physics or related fields: Keith G. Cox (University of Oxford), David O. Edwards (Ohio State University), Charles T. Elliott (RSRE, Malvern), Trevor Evans (University of Reading), Alan K. Head (CSIRO, Australia), Brian J. Hoskins (Reading), Noel S. Hush (University of Sydney, Australia), George E. Kalmus (Science and Engineering Research Council, Rutherford Appleton Laboratory, Didcot), Alan L. Mackay (Birkbeck College, London), Ashesh P. Mitra (Department of Scientific and Industrial Research, India), Howard R. Morris (Imperial College of Science and Technology), William G. Price (Brunel University, Uxbridge), Philip G. Saffman (Caltech), David Smith (University of Birmingham), Robert S. J. Sparks (University of Cambridge), John W. Steeds (University of Bristol), Robert H. Symons (University of Adelaide) and Sidney van den Bergh (Dominion Astrophysical Laboratory, Victoria, BC).

IN BRIEF

Daniel J. McCleese, formerly manager of the Jet Propulsion Laboratory's atmospheric and cometary sciences section, has been appointed