### WE HEAR THAT ...

Earle K. Plyler has retired as department head at Florida State University, and Norman P. Heydenburg of Rice University has become chairman. Promotions are Donald Robson to professor and J. Daniel Kimel to assistant professor. P. K. Williams and William Thompson were appointed acting assistant professors, and Robert Dough from North Carolina State University became visiting assistant professor.

Appointments at Catholic University are Hall Crannell, professor, Robert Gammon and Charles G. Montrose Jr, assistant professors, Peter Egelstaff, visiting professor, and Dieter Drechsel associate research professor.

P. Venugopala Rao of Georgia Institute of Technology and Raymond H. Kloess of the University of Syracuse were appointed assistant professors at Emory University, Atlanta, Ga.

Pacific University appointed Jurgen R. Meyer-Arendt department chairman and Joseph V. Stewart and W. Thomas Griffith assistant professors.

Lee C. Teng, director of the particle accelerator division of Argonne National Laboratory, has joined the staff of the National Accelerator Laboratory. He will continue at ANL



TENG

as senior scientist on leave of absence.

Additions to the physics and astronomy department, Louisiana State University, are Joseph Callaway of the University of California, Riverside, as professor, Edward R. Goza, of Vanderbilt University, Raymond LaBahn of the University of California, Riverside, John S. Drilling of Case Institute of Technology, and Harry Coxell from Culham Laboratory of the British Atomic Energy Authority as assistant professors, and Leopoldo Falicov of the University of Chicago as visiting professor. Roy G. Goodrich and Robert G. Hussey were promoted to associate professor.

Alec T. Stewart, formerly with the Atomic Energy Commision of Canada, Ltd. and currently professor at the University of North Carolina, will become department head at Queen's University,



STEWART

Queen's University, Kingston, Ontario, in September.

Charles Kimball, president of Midwest Research Institute, was named a member of the Scientific Advisory Panel of the Department of the Army.

Thomas B. Cook Jr, director of physics and mathematics research at Sandia Corp., has been promoted to vice president.

George R. Irwin has been appointed Boeing University Professor at Lehigh University.

Robert E. Rowland, associate director of the radiological physics division of Argonne National Laboratory, has been appointed director of the division.

The College of William and Mary has made the following appointments: Ernst G. Michaelis from CERN as visiting professor, Arden Sher from Varian Central Research Laboratory as associate professor, Carl M. Anderson from Purdue, Roy L. Champion and Lynn D. Doverspike from the University of Florida, Edward A. Remler from the University of California Lawrence Radiation Laboratory and Ying Y. Yam from the University of Michigan as assistant professors.

Robert H. Bryan from the AEC was appointed to the staff of Oak Ridge National Laboratory.

Ira Nolt from Cornell, Ann Merchant Boesgaard and Sidney Carne Wolff, both from Berkeley, and Tadashi Hirayama of the Tokyo Astronomical Observatory have been added to the staff of the Institute of Astronomy, University of Hawaii.

John J. Spokas has been named de-

partment chairman at St. Procopius College, Lisle, Ill.

Hla Shwe is acting chairman at Ripon College. Chairman Dino Zei is on sabbatical leave at the National Center for Atmospheric Research, Boulder, Colo.

Daniel R. Wells has been promoted to professor at the University of Miami.

Promotions at the University of Washington (Seattle) include John G. Cramer, Victor Cook, Mark N. McDermott and Robert D. Puff to associate professor. George Glass and Kenneth K. Young were appointed assistant professors. Visiting faculty members are Brian H. Bransden, Wilfred K. Dawson, Amnon Katz, Eugen Merzbacher, Hanan Shechter and Stanley Whetstone.

John L. Prather was named department chairman at PMC Colleges, Chester, Pa.

Promotions at the University of Tennessee are M.A. Breazeale to professor, G.T. Condo and A.A. Mason to associate professor. New appointments include F.R. Scott of General Atomic as professor, Jack G. Dodd, former department head at Arkansas Polytechnic College, as assistant professor.

William S. Porter has been named department chairman at Southern Connecticut State College. Norman Chonacky of the University of Wisconsin was appointed assistant professor.

M. Stanley Livingston, formerly director of the Cambridge Electron Accelerator, has been appointed associate director of the National Accelerator Laboratory at Weston, Ill.



LIVINGSTON

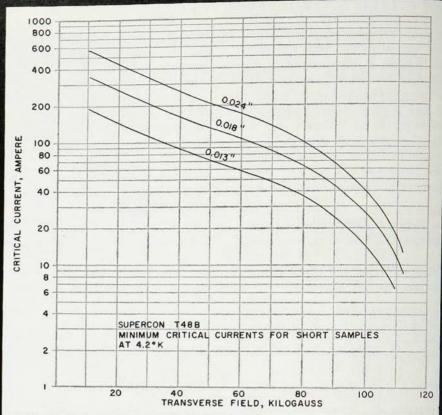
Karl Strauch, professor at Harvard, has been named to succeed Livingston as director at Cambridge.

William H. Brantley has been named acting department chairman at Fur-

# THIS IS IT... SUPERCON T48B



- HIGH GUARANTEED CURRENT CAPACITY
- CRITICAL FIELD ABOVE 120 KILOGAUSS
- HIGH CONDUCTIVITY COPPER
- EXCELLENT MECHANICAL STRENGTH
- CONVENIENT FLEXIBILITY
- STABILIZED CABLES
- INSULATED WIRES



New Supercon T48B is an excellent superconductor for fields up to 100 kilogauss.

It provides a combination of high current, stable performance, physical ruggedness and strength not previously achieved.

Supercon T48B is an improved version of the well-proven Supercon T48 (niobium 48% titanium) alloy introduced by the Supercon Division in 1965. While having an elemental composition very similar to Supercon T48, the new material carries higher short sample currents at all field levels.

Simultaneously, stability has been improved through the metallurgical application of a jacket of pure copper integrally bonded to the superconductive core. The high electrical and thermal conductivity and the excellent bonding of this jacket combine to produce the improved performance of the new material.

Supercon T48B provides the same 122 kilogauss critical field, 10.5°K critical temperature, high tensile strength, ruggedness, and flexibility of Supercon T48. Like all Supercon wire, T48B can be wound and rewound and can be cycled time and again between cryogenic and room temperature levels without damage or deterioration.

Supercon T48B wire is available in three standard sizes having diameters of .013", .018" and .024" (.33mm, .46mm and .61mm) including the copper jacket. The wire can be supplied insulated with a tough coating of Formvar\* polyvinyl formal resin noted for its dielectric strength. It can also be supplied stranded by itself or with copper wire into a variety of cable configurations wholly or partially stabilized to provide pre-determined current capacities of hundreds or thousands of amperes.

If you would like to have a copy of the Supercon T48B specification sheet, or if you would like information about any of the other Supercon products, please write or call.

<sup>\*</sup>Trademark of Shawinigan Resins Corporation



man University. Thomas T. Goldsmith Jr, chairman, has become supervisor of special science projects and H. Kennon Carter of Vanderbilt University will become assistant professor.

Fred C. Unterleitner has been named senior physicist at Optics Technology Inc. He was formerly with General Dynamics.

Robert B. Duffield, director of Argonne National Laboratory, has been appointed professor of chemistry at the University of Chicago.

The National Bureau of Standards has appointed Roger E. Beehler chief of the atomic frequency and time standards section, and James A. Barnes chief of the time frequency division in the radio standards laboratory at Boulder, Colo.

New additions at the University of Vermont are R.W. Detenbeck of the University of Maryland as associate professor and D.A. Depatie of Los Alamos as assistant professor.

Appointment to the graduate faculty at Drexel Institute of Technology include Irwin Goldberg from Clarkson, Haywood Blum from Brookhaven, Donald C. Larson of the University of Virginia and Leo C. Levitt from Georgetown as associate professors, and Richard D. Haracz from Yale, Joel Levin from General Electric and Egon Marx from Clarkson as assistant professors.

Changes in the physics department at Loyola University are: James S. Albertson, on leave at Stanford University, as a National Science Faculty fellow and Thomas T. Taylor to acting chairman. Patrick D. Doherty and Mildred M. Moe were appointed assistant professors.

Visiting theoretical nuclear physicists at Rutgers are Akito Arima of the University of Tokyo, Shiro Yoshida of the University of Osaka, George Ripka of Saclay France, Pedro Federman from the Niels Bohr Institute, Copenhagen and Yoel Tikochinsky from the Hebrew University, Jerusalem.

Appointments at Northeastern University, Boston, are Carl Shiffman of MIT

as professor, Petros Argyres from Lincoln Laboratories as visiting professor and Hyman Goldberg of Cornell, James Neighbor from MIT and Fa Yueh Wu from Virginia Polytech as assistant professors. Donald Kobe of Oersted Institute, Copenhagen, and Gerhard Lutz of DESY in Hamburg are visiting assistant professors.

The National Accelerator Laboratory at Weston, Ill. has appointed Donald R. Getz, who was administrative officer for special scientific programs at the University of Chicago. assistant



GETZ

director. He still serves as secretary of the Argonne-ZGS program committee.

Willard R. Chappell of the University of California Radiation Laboratory and Dimitri M. Mihalas of Princeton were named assistant professors of physics and astrophysics, Gary E. Thomas of the Aerospace Corp. has become assistant professor of astrogeophysics and Anthony M. Lane, former head of theoretical nuclear physics at Harwell, England, became visiting professor of physics and astrophysics, at the University of Colorado, Boulder.

Ronald S. Paul has been named deputy director of Batelle-Northwest Laboratory.

#### Niels Bohr Medal To Isador I. Rabi

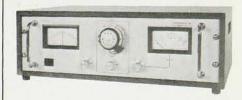
Nobel laureate and University Professor emeritus at Columbia University, Isador I. Rabi, has been given the Niels Bohr Medal by the King of Denmark in Copenhagen. The award is presented triennially to scientists or engineers who in a decisive way have contributed to the evolution and peaceful use of atomic energy.

#### Henry Smyth, Frank Spedding Recipients of AEC Citation

The Atomic Energy Commission has awarded its citation for outstanding service in the nation's atomic energy program to Henry D. Smyth, professor emeritus at Princeton University, and

### CRYOGENIC TEMPERATURE CONTROLLER

Range: 4.2°K to 300°K Control: ±0.020°K



CRYODIAL®

#### **FEATURES**

- Automatic Operation
- · Single Dial Temperature Setting
- Range Extension Switch
- Solid State Modular Design
- Accommodates Sensors with Positive or Negative Temperature Coefficients
- Sensor Power less than 20 Micro-Watts
- Control Power Over 40 Watts
- · Filtered DC Output
- Metered Output Power and Control Point
- · Cabinet or Rack Mounting

#### OTHER INSTRUMENTATION

#### CRYOGENIC AC RESISTANCE BRIDGE

for resistance measurements up to 12 megohms  $\pm .05\%$  absolute,  $\pm .005\%$  relative accuracy with only  $10^{-6}$  to  $10^{-10}$  watts

#### VLF MUTUAL INDUCTANCE BRIDGE

- Resolution 8 × 10<sup>-4</sup> μH with 0.05% linearity
- 0.05% Linearity
- Standard Range 200 μH

30 Day Delivery on all items Write for complete literature

# CRYOTRONICS INC.

WEST MAIN STREET . HIGH BRIDGE, N. J.

Phone: (201) 638-6112 TWX: 510-235-3381