



125-20 18th Ave., College Point, N.Y. 11356 (212) 353-3600

Circle No. 31 on Reader Service Card

WITH OUR CATALOG YOU MAY NOT NEED A CUSTOM



AND THE CATALOG IS YOURS FOR THE ASKING



Picture a complete concise composite catalog of over 800 off-the-shelf capacitors, over 1200 variations including some weird and unusual units.

If what you need isn't there, then drop us a line, or give us a call, we'll custom design a capacitor for your circuit, and in most cases there is no charge for customizing. But check the catalog first, what you need may be there and ready for immediate shipment.

TO GET YOUR CATALOG, JUST DROP US A LINE.

condenser products corporation

Box 997, Brooksville, Florida 33512 Phone (904) 796-3562

Circle No. 32 on Reader Service Card

we hear that

Rice University; Cyril M. Harris, Columbia University; Wallace D. Hayes, Princeton University; John A. Hornbeck, Bell Laboratories; Edward A. Mason, Nuclear Regulatory Commission; Erwin W. Mueller, Pennsylvania State University; Rocco A. Petrone, National Center for Resource Recovery; Albert Rose, RCA Laboratories; John H. Sinfelt, Exxon Re-

search and Engineering Co; Ping King Tien, Bell Laboratories; John W. Townsend Jr, US Department of Commerce; Alvin M. Weinberg, Oak Ridge Associated Universities and F. Karl Willenbrock, National Bureau of Standards.

James W. Butler has been appointed head of the ion-beams application branch of the radiation technology division at the Naval Research Laboratory in Washington, D.C.

obituaries

André Lagarrigue

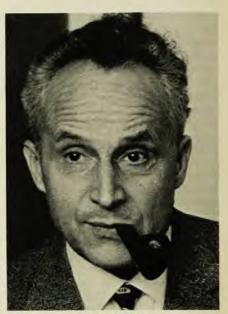
André Lagarrigue died suddenly on 14 January a few hours after interrupting his regular morning lecture at Orsay. He was 51.

One of the most gifted, well-balanced and clear-minded experimental particle physicists in contemporary France, at the time of his death he was director of the Laboratoire de l'Accélérateur Linéaire at Orsay and president-elect of the Société Française de Physique.

Born and reared in Toulouse, Lagarrigue began his scientific career in the laboratory of Professor Louis Leprince-Rinquet at the Ecole Polytechnique in Paris. His experimental research developed in the direction of cosmic-ray physics, culminating in a doctoral thesis in 1952 on the muon decay spectrum. He spent several years thereafter in exploring strange-particle events produced in the large cloud chambers operated by the high-altitude laboratory at the Pic du Midi, leading to an identification of the Ku decay mode.

In 1956 he established a group for performing experiments with the proton synchrotrons at Saclay and CERN in Geneva. The expertise gained in constructing and using two modest prototypes of heavy-liquid bubble chambers led to the successful construction and operation of a second-generation, 300liter model (BP3). After a number of runs at Saclay this bubble chamber was brought in 1960 to CERN where, under Lagarrigue's supervision, it became extremely productive in a wide range of experiments carried out by groups from many laboratories throughout Europe and the United States.

A major accomplishment in which Lagarrigue elegantly displayed his scientific knowledge and remarkable talent for organization came in 1970 at CERN when the third-generation giant bubble chamber "Gargamelle" became operational and highly successful under his leadership. Neutrino physics received a vital boost through this powerful tool. It was with Gargamelle that



LAGARRIGUE

pictures were obtained in 1973 demonstrating the existence of neutral currents.

A professor at the Faculty of Sciences in Orsay since 1965, Lagarrigue in 1969 became director of the Linear Accelerator Laboratory, where he expressed enthusiasm for exciting experiments and encouraged the development of storage rings and other new experimental devices.

He managed to combine his passion for direct experimental work with the heavy burden of administrative responsibilities, which he carried out with kindness and good humor. He had a strong interest in the well-being of his co-workers and never abandoned his concern for the problems facing modern society. In this spirit he accepted leadership of a national committee reorganizing the physics curriculum in French secondary schools.

He commanded the respect and affection of all who knew him by his honesty, his tactful directness and his love of beauty. For the French physics community in particular he remains irreplaceable. To his family and many

Magnetic Dynamite

The first superconducting magnet made of new multifilament Nb₃Sn has just been delivered. The magnet, purchased by the Air Force Materials Lab, is presently installed in the Aeropropulsion Lab of Wright-Patterson AFB. It generates 9.5 tesla at 4.2° K.

It was designed and constructed using 3553 filament Nb₃Sn conductor by Airco.

Another first by AMI.

But magnetic dynamite? We thought you would be interested to know that the magnet's stored energy is equal to one half stick of dynamite — but it releases it as calmly as your car engine.

Ask for our free brochure.

AMERICAN MAGNETICS, INC.

P.O. BOX R, OAK RIDGE, TN 37830 Telephone 615-482-1056

Circle No. 33 on Reader Service Card

JOURNAL OF QUANTUM LECTRONICS

A translation, beginning with Vol. 1, No. 1, 1971, of "Kvantovaya Elektronika."

Experimental and theoretical work on quantum electronics and its applications in science and technology: lasers, interaction of coherent radiation with matter, holography, nonlinear optics, and related topics.

Monthly. Approx. 3,000 Russian pages annually. \$245 domestic. \$248 foreign. \$249 optional air freight Europe. \$253 optional air freight Asia.

Orders and inquiries should be sent to:

AMERICAN INSTITUTE OF PHYSICS

335 East 45th Street New York, N.Y. 10017

obituaries

friends everywhere he remains a superb example to follow and to remember.

WILLIAM B. FRETTER University of California Berkeley

William Birch

William B. Birch, electrical engineer and physicist at the Naval underwater sound laboratory in Newport, Rhode Island, died on 4 May. He was 46.

Birch received a bachelor's degree in electrical engineering from the University of Rhode Island in 1950 and earned his master's in physics there in 1960. He was employed at the Naval laboratory for 14 years and he spent the preceding ten years at URI's marine laboratory.

Louis Strait

Louis A. Strait, professor emeritus of biophysics at the University of California at San Francisco, died on 23 March at the age of 67.

Strait's research interests included spectroscopy and molecular structure and their chemical and biological applications. In 1937 he joined the faculty at San Francisco, where he founded a spectroscopy laboratory and participated actively in the academic senate until his retirement in 1972. Earlier this year he was the first recipient of an award established in his name by the Northern California Spectroscopy Society, which he helped to create.

Anatolii Blagonravov

Anatolii Arkad'evich Blagonravov, a leading figure in the Soviet space program, died on 4 February at the age of 90

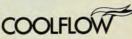
Blagonravov was a Lieutenant-General of Artillery and since 1953 a full member of the USSR Academy of Sciences. He joined the Soviet space program during the 1950's as a rocket designer and after 1960 published numerous works on space research. He was an early member of the Pugwash movement, deputy representative of the USSR at the UN committee for the peaceful use of space and chairman of the commission of the USSR Academy of Sciences on space research and utilization. Blagonravov was a member of the International Academy of Astronautics and held many Soviet medals and awards.

COOLFLOW

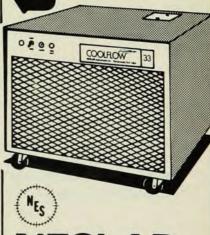
RECIRCULATING
COOLERS eliminate tap
water cooling problems
stemming from temperature extremes, debris,
poor pressure stability
. . . and corrosives.

COOLFLOW

RECIRCULATING
COOLERS eliminate tap
water cooling expenses.
ONE installation using
only one GPM water
flow can consume over
one half million gallons of
water in a year. Expensive,
un-recoverable water.



RECIRCULATING COOLERS are priced within the reach of even the smallest labs.



NESLAB INSTRUMENTS INC.

871 Islington Street Portsmouth, New Hampshire 03801 U.S.A. Telephone (603)436-9444

Circle No. 34 on Reader Service Card