we hear that

William E. Ogle, head of the field testing division at Los Alamos, has been appointed chairman of the Nevada Test Site Planning Board.

Harvey A. Gould, formerly of the University of Michigan and Christoph Hohenemser, formerly of Brandeis University have joined Clark University as associate professors.

Alfred C. Daniel, research physicist at the US Army Missile Command and a part-time member of the physics staff at the University of Alabama, has formed the Equipment Development Co, for the purpose of providing engineering solutions to special industrial requirements.

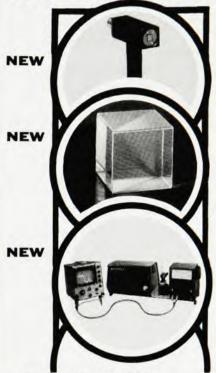
Clemson University in South Carolina has appointed Burt V. Bronk, formerly

senior research associate at Brookhaven National Laboratory and Beverly B. Bookmyer, formerly assistant professor and administrative coordinator of the Optical Sciences Center at the University of Arizona, Tucson as associate professors.

Jack D. Blades has been appointed manager of the solid-state materials department of Adressograph Multigraph Corporation's research and development center in Warrensville Heights, Ohio. He was previously manager of the solid-state physics lab at the Franklin Institute Research Laboratories.

Michael L. Wise, a former research associate for the Institute of Theoretical Physics at the State University of New York at Stony Brook, has become an investment broker for Loeb, Rhoades and Co. He received his PhD in particle physics from Brandeis University.

BROOMER CAN PROVIDE--



PHOTON DRAG DETECTOR

This ultra-high-speed laser power detector withstands the full power of TEA CO₂ lasers. Very short time constant ensures detection of mode locking. Requires no power supply or cooling. Response is 1 volt per megawatt (minimum) at 10.6 microns; time constant is 1 nanosecond (maximum).

POLARIZING BEAM SPLITTING CUBES

High-efficiency single-wavelength polarizing beam splitter cubes for "splitting" incoming light into "P" and "S" components. Available apertures range from 0.5 inch to 4 inches. A variable transmission polarizer designed to transmit up to 98% of "P" polarized light is also available.

RAPID-SCAN SPECTROCOLORIMETER

Rapid-scan feature provides instant display of the visible spectrum on the face of an oscilloscope or external recorder. Accommodates large and small specimens. Transmission and absorption can be read directly on the face of an integral meter. Many accessories are available for this low-cost device. ASK ABOUT OUR NEW FINANCING PLAN FOR THIS INSTRUMENT! AND DON'T FORGET BROOMER'S COMPLETE LINE of Precision Optics and Thin-Film Coatings.

Write or phone today for free catalog!



23 Sheer Plaza, Plainview, New York 11803. Phone (516) 249-1544 • TWX 510 224-6468 Circle No. 78 on Reader Service Card

obituaries

Leo P. Delsasso

Leo P. Delsasso, professor emeritus of physics at the University of California at Los Angeles, died suddenly at Frankfurt, Germany on 26 July.

Delsasso had spent 53 years at UCLA, where he began as a freshman in 1919, the year the Los Angeles campus became a part of the University of California. The following year he also was assistant to the chairman of the department of physics and served as the instrument maker of the first laboratory

apparatus.

Before coming to UCLA, Delsasso had enlisted in the US Navy in World War I; at the end of the war in 1918 he retired as ensign. He returned to the Navy during World War II as assistant director of what is now the US Navy Electronics Laboratory, where he participated actively with civilian scientists in devising sonar techniques and instrumentation for the detection of enemy submarines. After the war, he returned to UCLA with the rank of commander and resumed his teaching, research and administration. He later served as assistant dean and then associate dean of the graduate division (1952-59) and as chairman of the department of physics (1959-63).

When Delsasso became professor emeritus in 1963, he was able to continue his research in acoustics, with which he had been concerned since 1923. His research included the propagation of sound in the atmosphere from mountaintop to mountaintop in the High Sierra and at the Santa Monica Beach where atmospheres with and



DELSASSO

without fog were readily available, the velocity and absorption of sound in ocean waters, the altitude and inclination of aircraft by the echo method and the attenuation of sound in air and other gases containing impurities, in-

If you're looking for electro-optic sensors, stop looking. Chances are the electro-optic tube your application requires is one of our standard products.



Our special purpose tubes are used in a broad range of applications such as laser detection, radiation monitoring, stellar observations, scanning spectrometers, motion analysis, low light level photography and surveillance, high-speed pulsing, pattern recognition, electronic manipulation of images, and more.

If the photomultiplier, the biplanar photodiode, the image dissector, the electron multiplier, the image converter or intensifier, the direct view storage tube or the correlation device your application requires isn't among our standard devices, tell us. We'll custom design and build it. For more information about our electro-optic products contact ITT Electron Tube Division, 3700 East Pontiac Street, Fort Wayne, Indiana 46803. Telephone (219) 743-7571.

ELECTRON TUBE DIVISION TTT

NEW... ULTRA-MINIATURE COAXIAL CABLE for CRYOGENIC SERVICE



Materials: Teflon, Mylar, Copperweld

Impedance: 50 ohms Capacitance: 26 pF/foot

Size: .013" x .019" oval cross section

Temperature Range:

Available in spools from 25 ft. to 1000 ft.

Complete line of Measurement and control at cryogenic temperature devices available: write or call for full details.

write or call for full details.
TELEPHONE 716—992-3411

LAKE SHORE
CRYOTRONICS, INC.
9631 SANDROCK RD. EDEN, N. Y. 14057

Circle No. 80 on Reader Service Card

HIGH RESOLUTION INFRARED VIEWER



\$390. to \$415.

For Lasers, Night Vision & Photo, Astronomy, IR Microscopy, High Temp. Monitor, Medicine, Biology, etc.

> 72 to 90 line pairs/mm IR Range to 1,200 nm F/1.6, 18° FOV, 2.6X Focus 6" to infinity

Models IRV 7002 -7100 -7200 Active Viewer IRV 7500: \$540. Starlight Viewer IRV 8100

ELECTROPHYSICS CORP.

48 Spruce St., Nutley, N.J. 07110

Tel: (201) 667-2262

Circle No. 81 on Reader Service Card

we hear that

cluding particulate matter. He has also greatly contributed to graduate instruction and research in acoustics, having served as chairman or a member of the doctoral committees for most of the more than 40 PhD's in physics who specialized in acoustics.

VERN O. KNUDSEN University of California, Los Angeles

Donald M. Bennett

Donald M. Bennett, chairman emeritus of the department of physics at the University of Louisville, died 7 November at the age of 73.

Bennett's teaching career began at the University of Colorado in 1922. In 1924, he returned to the University of Wisconsin, from which he had received his BS and MS degrees, to complete his work for the PhD degree, which he received in 1926. He came to the University of Louisville in the fall of 1926 as an assistant professor of physics in the Speed Scientific School. moted to associate professor in 1929, he spent much of his time teaching courses in the College of Arts and Sciences and constructing undergraduate laboratory equipment, some of which is still in use. Although in 1943, Bennett went to the MIT Radiation Laboratory as technical aide to the director, he returned to Louisville after one semester to help carry the teaching load. He was promoted to professor of physics in 1943, and in 1950 spent the summer as a research participant at the Oak Ridge National Laboratory. During the next few years much of his time was spent designing the physics wing of the natural-science building. In 1953 Bennett was made chairman of both physics departments, but two years later he left the Speed Scientific School, and devoted all of his time to the College of Arts and Sciences, where he continued as chairman until his retirement in 1968.

He was the author of two books, Fundamentals of Physics and Physical Basis of Music, and was an active member and officer of many organizations.

Working with innumerable people during his 42 years of teaching, Bennett was always chivalrous, sensitive and genial. All who knew him will remember him as a gentleman. An enthusiastic teacher, he took pleasure in his work, whether he was building the solid foundations needed by physics majors, or leading other students to appreciate the elegance of the theory of musical sound. In all his work, Bennett was aided by a delightful sense of humor.

JOEL A. GWINN
JOHN F. KIELKOPF
University of Louisville □

Pyroelectric IR Detectors

for: radiometry—
spectroscopy—
pulse studies—
heterodyne detection—
laser diagnostics—
rapid pyrometry.
... at ROOM TEMPERATURE



kT-1000 Series Fast Response Detectors

- · nanosecond response time
- · kilowatt peak powers
- · near-to-far IR response
- · eight decades of linearity

kT-4000 Series Radiometric Detectors

- · insensitive to ambient temperature
- · visible-to-far IR response
- 100 microsecond response time
- · no bias or poling required
- · high detectivity



laser precision corp.

Yorkville, N.Y. 13495 Tel. (315) 797-4449

... making light work Circle No. 82 on Reader Service Card

PHYSICS TODAY / MARCH 1972