

KILO JOULES at 10.6 μ

*If you are thinking of a
high energy CO₂ Laser System,
consider the following points —
and a*

LUMONICS TEA-620 LASER

Lumonics uv preionized TEA modules offer you:

CUSTOM PERFORMANCE FROM STANDARD MODULES

The Lumonics Modular approach allows assembly of oscillator, amplifier or combined systems of various sizes without extensive custom design.

FREEDOM FROM OPTICS DAMAGE PROBLEMS

Beam diameters up to 20 cm. reduce energy density on cavity optics.

MORE ENERGY PER EQUIPMENT DOLLAR

Along with low floor and console space, lower maintenance costs, less down time, etc.

GUARANTEED OPTICAL PERFORMANCE

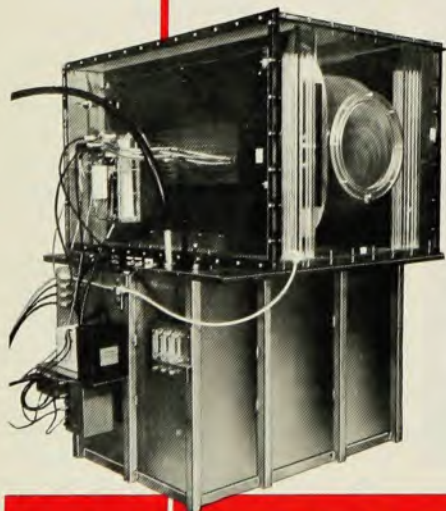
Lumonics provides the whole laser system including cavity optics. Pulse energy, peak power, time jitter and beam divergence are guaranteed.

HIGHER PULSE REPETITION RATES

More shots per dollar.

DESIGN SIMPLICITY

No vacuum systems, thin foils, water cooling or even 3 phase power is necessary. No countdowns needed to get a pulse out. Reliability is greatly enhanced.



OSCILLATOR ENERGIES TO 2KJ

DIVERGENCE TO .15 mrad
full angle.

AMPLIFIER GAINS — $> .04 \text{ cm}^{-1}$.

OSCILLATOR PULSE WIDTH —
40 ns — 60 μ s.

REPETITION RATE TO 1 Hz

L.75.1

LUMONICS

RESEARCH LIMITED

P.O. Box 1800, Kanata, Ontario, Canada • K0A 2C0 • Tel. (613) 592-1460

Circle No. 53 on Reader Service Card

we hear that

ceived the Edison Medal for work in network theory, radar systems and electronic circuits. Now adjunct professor of electrical engineering at the University of New Hampshire, he retired in 1971 from 42 years of service on the technical staff of Bell Laboratories.

The Founders Medal has been presented to Brainerd for his leadership in several fields of electronics. He headed the project that produced the world's first large-scale digital electronic general-purpose computer. During 1925-70 he was director of the Moore School of Electrical Engineering at the University of Pennsylvania.

IEEE presented the Lamme Medal to Law in appreciation of his contributions in developing color picture tubes. Law, who earned his doctorate in physics from Ohio State University, is director of RCA's materials and display device laboratory in Princeton, New Jersey.

Desoer is professor of electrical engineering and computer sciences at the University of California, Berkeley. He has been awarded IEEE's Education Medal for excellence in teaching and publication of "standards-setting textbooks." Desoer has been with the University of California since 1958.

Bell Labs President Baker receives Princeton award

Princeton University has presented its James Madison Medal to William O. Baker, president of Bell Laboratories. The medal recognizes a graduate alumnus who has distinguished himself in his career, advanced the cause of graduate education or become an outstanding public servant. Baker earned his doctorate in physical chemistry from Princeton in 1938.

He has been an advisor to five presidents. As a member of the President's Science Advisory Committee and the National Science Board, he helped to draft the plan that created the Office of Science and Technology in 1962. He has been an officer of Bell Laboratories for 20 years and president since 1973. Baker's scientific interests have included solid-state research, macromolecules and the movement of electrons through organic substances.

Princeton names Dicke first Einstein Professor

Robert H. Dicke has been named Princeton University's first Albert Einstein Professor of Science. A \$1 million grant from the IBM Corporation has enabled the establishment of this distinguished professorship.