

How to put your talents to the test:

Come to IBM in Lexington, Kentucky. There's plenty of opportunity to do state-of-the-art development work with one of IBM's fastest growing divisions.

PHYSICISTS: Advance your career with R&D work in solid state technology, including photo devices, semiconductors, and optics B.S., M.S., or Ph.D.

ELECTRICAL ENGINEERS: Circuit design, logic and system design, solid state technology (including photo devices). 0-10 years' experience and B.S., M.S., or Ph.D.

MECHANICAL ENGINEER: B.S. or M.S. in mechanical engineering to do state-of-art work in development engineering. You'll design, build and analyze mechanical or electro-mechanical systems. And you'll most probably follow through on your designs all the way into production.

TEST EQUIPMENT ENGINEER: Design special test equipment—then supervise its construction. You'll use solid state logic and analog circuitry. Required: B.S. or M.S. in E.E., 0-5 years' experience.

METALLURGISTS: Work in diverse technologies including sintered metals, materials application, ferrous and nonferrous alloys, service failure analysis. B.S. or M.S. and strong background in physical metallurgy required.

At Lexington your family can live in Kentucky's beautiful bluegrass country. And there's a full range of company paid benefits, including tuition refund.

If you want to do challenging work, write:

Mr. Terry Mobley
IBM Corporation
Dept. UG2-L
New Circle Road
Lexington
Kentucky 40507

IBM

An Equal Opportunity Employer

LETTERS

tive Service on behalf of an employee or grantee. The official report of the Public Health Service to the President's Commission on the draft not only elevated Selective Service needs above the long-run needs of American science and civilization, but also did so on the basis of unscientific extrapolations from the conclusions of a small number of old, poorly designed, and largely irrelevant studies.

M. G. SASLOW
University of Washington

How many postdoctorals?

I read with interest and no little astonishment the note under RESONANCES on page 71 of the September PHYSICS TODAY, having to do with the number of postdoctorals in physics in US institutions. Since I was the source of the data mentioned in the statement, I would like to correct the conclusion drawn.

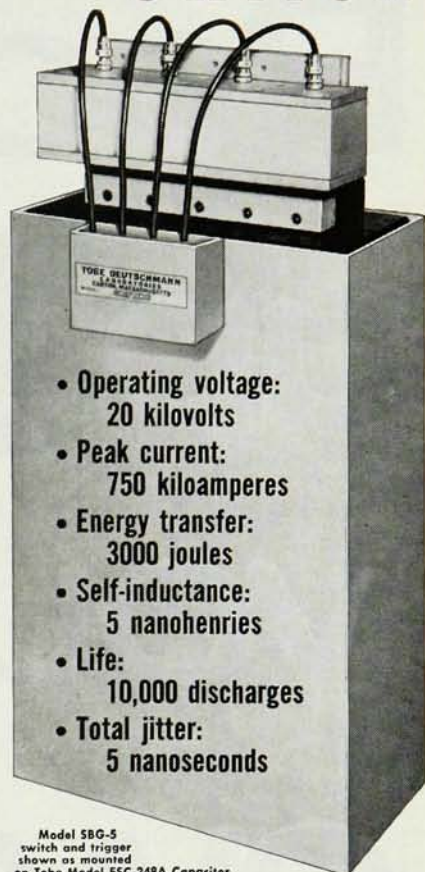
We have received returns from 11 000 postdoctorals working either in this country or as US citizens abroad. Of these 9 786 have been analyzed at this writing. Of those analyzed 13.6% or 1 332 are physicists. Almost exactly one-half of the postdoctorals are foreign citizens, and of the Americans only 446 are "immediate" postdoctorals, that is, within one year of their PhD. Furthermore if we take the average postdoctoral appointment to be two years, only 233 physics PhD's go immediately into postdoctoral work. Since this is only 21.3% of the 1 046 PhD's produced in the United States last year, it is certainly an exaggeration to suggest that most US PhD's enter postdoctoral training.

RICHARD B. CURTIS
National Research Council

Erratum

The book review appearing in the September issue, page 93, under the title "History of Kinetics," is for the book *Kinetic Theory, Vol. 2: Irreversible Processes* (Pergamon Press, 1966, cloth \$4.95, paper \$3.95). The book title was mistakenly printed as *Kinetic Theory, Vol. 1: The Nature of Gases and of Heat*. □

High-voltage Fast-discharge CAPACITOR and SWITCH



Model SBG-5
switch and trigger
shown as mounted
on TOBE Model ESC-248A Capacitor

- Operating voltage:
20 kilovolts
- Peak current:
750 kiloamperes
- Energy transfer:
3000 joules
- Self-inductance:
5 nanohenries
- Life:
10,000 discharges
- Total jitter:
5 nanoseconds

The TOBE Model SBG-5 Switch is a multi-channel enclosed spark-gap switch supplied with its own high-voltage trigger. The user must provide only a 250-volt positive pulse and a trigger-charge input of 5 kv which may be taken from the storage-capacitor charging supply through a dropping resistor.

The switch is designed to mate, as pictured, with a TOBE 5-nanohenry, 3000-joule, 20-kv capacitor or to any 10-inch-wide parallel-plate transmission line. Common trigger circuitry is available to facilitate banking.

Detailed information about dimensions, acceptance tests, and mountings is given in Bulletin EB365-60 available, on request.

• And write or call whenever you have a requirement for energy-storage capacitors, discharge switches, pulse-forming networks, or low-impedance pulse lines.

TOBE
— DEUTSCHMANN —
LABORATORIES
CANTON, MASS. 02021: Tel. (617) 828-3366