

HIGH VOLTAGE TRIGGERS



Applications of Model TGE-2 high-voltage fast-rise pulse generators include the triggering of: spark gaps . . . ignitrons . . . and Marx generators.

The main features include:

- Fast Rise Time . . . ~ 5 nanosec.
- Extremely Low Jitter . . . ~ 3 nanosec.
- High Amplitude . . . 50kV pulse output.
- Extremely rugged construction.

TGE triggers represent years of development in the field of high energy pulse generators. They are ideal for use with our own discharge switches as well as other commercial and laboratory units. TGE's eliminate the need for elaborate triggering circuitry and may be parallel or sequentially fired with minimum interpulse jitter.

All triggers are constructed with a rugged cast epoxy housing to withstand severe shock and vibration. Available on short delivery.

For further information on TGE's and high voltage capacitors/systems write or call:

TEL: 617 828-3366
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letters

spectral and angular distributions of the "synchrotron radiation" and proved the absence of interferential quenching of one electron by the radiation of other electrons orbiting in a circle. This calculation obviously precedes Blewett's (Phys. Rev. 69, 87, 1946). It should be noted that the work of Arzimovich and Pomeranchuk was well known to many physicists and was cited, for example, in the papers by J. Schwinger (Phys. Rev. 75, 1912, 1949) and F. R. Elder, R. V. Langmuir, H. C. Pollock (Phys. Rev. 74, 52, 1948).

A. P. GRINBERG

A. F. Ioffe Physico-Technical Institute
Leningrad, USSR

Cat Doggerel

Who killed Schrödinger's cat?
Is this truly where physics is at?
Is all our power and intellectual pride
Hung up upon this catricide?

Why does this heinous felony feline
Cause such confusion to be mine?
Why can't I more clearly see
What each psi function says to me?

Who did this dastard act so shabby
On some poor and cuddly tabby?
Was it a wave or was it a thing
That was behind the lethal sting?

Doesn't there exist a philosopher's
stone
That will clarify and thus atone?
Till then we can only hope and pray
Nobody rats to the ASPCA.

HAROLD J. MOROWITZ
Yale University
New Haven, Connecticut

A physicist in politics

Your October editorial entitled "The most fundamental problem" called attention to the need for greater dialogue between scientists and political leaders, and for greater participation by scientists in the political process. Few scientists get elected to state or national legislatures, and so their personal presence and insights are not significant factors in the legislative process—certainly not comparable to lawyers' influence, to name another profession.

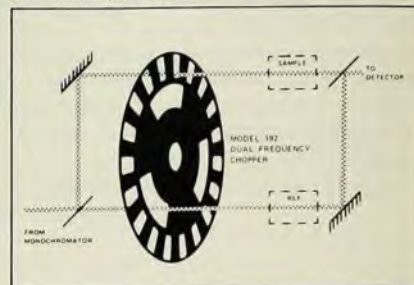
Most scientists are as ignorant of the political process, as politicians are of scientific processes. Many scientists could perform a great public service by becoming educated regarding the political process going on around them—by personal participation in it. Reading about it is similar to reading a book on how to swim. You learn how to be politically effective through participation.

My personal experience suggests that we scientists may play a significant role

NEW Model 192 Light Chopper

Our new 192 dual frequency optical chopper is ideal for use in both single and double-beam photometric applications.

This variable speed chopper uses a brushless motor to eliminate RFI and the phase-locked speed control system allows precise selection of chopping frequency over a 10-5500 Hz range. In addition to single-frequency blades with 2, 6, 20 or 60 apertures, dual-frequency blades are available with 6/5, 19/3 and 60/53 apertures to enable two light beams to be chopped at separate frequencies (see figure). Reference output signals are provided at both chopping frequencies for use with any of our lock-in amplifiers.



For additional information, call or write Princeton Applied Research Corporation, P.O. Box 2565, Princeton, New Jersey 08540, 609/452-2111.



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