



## Spend \$800 on an electric calculator or buy this \$89 German machine

- A 3-lb., 15-oz. portable mastermind (8 x 7 x 3 1/2")
- Ten-digit keyboard — fifteen digit read-out
- Multiplies, divides, adds, subtracts
- Extracts square roots
- Provides automatic read-out of negative balances
- Capable of automatic re-entry
- Many other features found only in the most expensive calculators

There are basically just two kinds of calculators that make economic sense. If you can keep one of those \$800 electric machines whirring a good part of every working day then anything less is no bargain. But if you are a businessman, engineer, a shipping clerk or plant foreman (who figures bids and such), a doctor, storekeeper — anyone who spends even 30-minutes a day writing figures on paper — then this last word from Germany can definitely save you expensive time and costly mistakes, without making a major capital investment. The MULTATOR-4 not only multiplies and divides at a brisk clip, but it can perform tricks only a few of those very expensive machines have been taught: such as automatic re-entry\* and read-out of negative balances (bookkeepers take note!). This compact wizard from Hamburg naturally extracts square roots, but then, quite a few of those expensive machines can do that also.

Buy a calculator by mail? Sight Unseen? It may be unorthodox, but it is the only way to buy the MULTATOR-4, and to buy it for \$89. Because we are the only link between the manufacturer and you (the exclusive importer/retailer), you save the usual distributor/dealer/salesman markup.

**Our Guarantee:** It's simple. You may return the MULTATOR-4, for whatever reason (or for no reason at all) within two weeks. After that, the Guarantee covers material and workmanship for a full year. Needless to say, we maintain a complete spare part and repair service.

SAVE TIME. AVOID ERRORS. ORDER THE MULTATOR-4 FOR A TWO-WEEK TRIAL.

Mail to: HAVERHILL'S  
526 Washington St., San Francisco, California 94111

Please send me the Multator-4 (\$89.00 plus \$2.00 for postage and insurance).

Please send me the carrying case (metal faced vinyl, foam lined), \$10.00.

My check is enclosed.

Bill Amer. Express Acct. # \_\_\_\_\_  
(California residents add 5% sales tax)

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Zip \_\_\_\_\_

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### LETTERS

## To the Editor

### From a Student

Sir:

I would like to express my admiration for the fine variety, reporting and brevity of the articles in SCIENCE NEWS. Since I am an honor student and am carrying a 20-credit hour program, I do not have much spare reading time, and your magazine is a godsend to the collegian trying to keep abreast of the latest scientific events. The Life Sciences department is a welcome addition, since my major is biology.

Monica Barron,  
Detroit, Mich.

### Nauseated

Sir:

Congratulations to you and to him or her (Faye Marley) who wrote the article "Inroads in the Meat Jungles" (SN: 8/5).

I got nauseated and sick to my stomach reading it.

It is unbelievable that in this day and age such abominable conditions could still exist in some intrastate abattoirs.

It takes a lot of courage to expose such low standards in Public Health inspection and regulation where perhaps vested interests and dirty politics are in cahoots (see p. 239).

If it is possible I would like to get another copy of the Aug. 5th issue, as I gave my copy to a doctor friend.

Joseph W. Miller M.D.  
Miami, Fla.

(A copy has been sent. Ed.)

### Earth's Water Balance

Sir:

I am sure that you do not know that you embarrassed me, a teacher of general science. Here's what you did:

In an article (SN: 10/1/66) you state:

"One of the great wonders of this planet is . . . the total water supply has neither diminished nor increased . . ."

I keep telling my students that new water is being made daily through the combustion of hydrocarbon fuels. In fact, the Ethyl Corporation says that, for every gallon of gasoline that is burned, a gallon of water (liquid) is formed. My own estimate is that over 110 billion gallons of new water is made every year by this means.

I am ready to admit that this 110  
(See p. 224)