

Nature Note

Flamingos

See Front Cover

► WITH necks and legs longer in proportion to their bodies than those of any other birds, pink-feathered flamingos offer a breathtaking sight as they fly in long undulating lines across the skies.

The West Indian Flamingo, *Phoenicopterus ruber*, is the most brightly colored of the world's six remaining flamingo species. This deep-pink beauty breeds in scattered colonies from the Bahamas to Cuba, in the Yucatan, the northern coast of South America and the Galapagos Islands. The northernmost chick to be bred in the United States, shown on the cover, was born this spring in the N.Y. Bronx Zoological Park.

Flamingos are gregarious birds, and thousands of them nest together in their favorite areas of brackish or salt waters. Here they build mud nests much like short stocky pedestals or stools—about one or two feet in diameter, five to 18 inches high, with a scooped-out top on which the female lays her single white egg. Both sexes incubate this egg alternately for about a month—each parent sitting atop the mound with its stiltlike legs folded beneath and sticking out behind.

Flamingos feed mainly on the highly nitrogenous muck in which they live, containing a rich mixture of algae, diatoms, protozoans, small worms and other tidbits. The flamingo's bill is unique. In order to feed, the birds bend over so that the top half of the bill is on the bottom and the lower half is above it. They pump and sift the muddy water through slits on the top half of the bill and toothlike projections on the tongue which act as a sieve.

(Cover photograph by New York Zoological Park.)

AGRICULTURE

Cherries and Apples Handy Source of Water

► THE DOZENS of cherries or apples hanging on a fruit tree are not only good to eat—they are tiny reservoirs of water that a tree draws on in time of need.

Every day, as the sun climbs higher and the day gets warmer, the tree may tap some water stored in its own fruit, thus causing the fruit to shrink, according to T. T. Kozlowski, University of Wisconsin forestry specialist.

This same kind of handy built-in water supply is found in many other trees, such as oranges, plums, walnuts, pears and avocados.

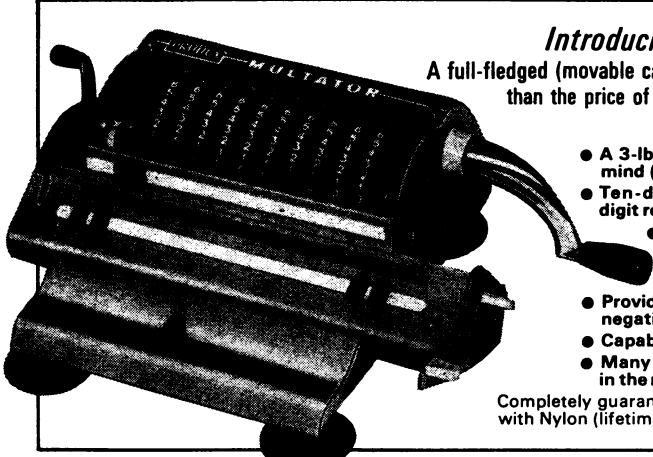
In measuring the changes in diameter

of fruit and stems on Montmorency cherry trees, Mr. Kozlowski found that the young cherries expand during the early morning hours between 2 a.m. and 6 a.m. Then the tree starts to tap the water supply and the fruit shrinks until about 2 p.m., or even as late as 4 p.m. in some trees. When there was a shortage of moisture in the soil, the shrinkage went on even longer.

With his experimental cherry trees, Mr. Kozlowski noticed that the cherries develop in about 59 days from blossom time to the ripe fruit late in the summer.

Some of the most spectacular growth occurred in the last 21 to 23 days of the fruit development cycle, when some increased 300% in volume of the fruit.

You should either
spend \$800 on an electric calculator
or
buy this \$89 German machine.



Introducing the Multator-4
A full-fledged (movable carriage) calculator for less than the price of a common adding machine.

- A 3-lb., 15-ozs. portable mastermind (8x7x3½")
- 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

Completely guaranteed. All-steel construction with Nylon (lifetime) gearing.

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.

For \$89 you won't find the MULTATOR-4 any aerodynamic beauty that won some Industrial Design Award at a Plastics Fair. It is purely and simply a calculator—rugged and dependable; business-like, with no frills. Even so, it has that respectable made-to-work look that takes its form from its function. But most important is what it does . . . how easily it does it (how fast) . . . its handy size and weight . . . and, the price! At \$89, the MULTATOR-4 makes sense to any bookkeeper, any billing clerk, (even housewives with budgets to wrestle)—anyone who now figures on paper. And if you were about to buy an (other) \$800 to \$900 "beheemoth" or one of those \$100 to \$200 hybrid compromises—don't, until you give this \$89 machine a chance to prove itself in action. One proving ground is the large office that now has one expensive calculator at one central spot. Now you can afford to put a MULTATOR-4 on the desk of everyone who otherwise would get up once or twice an hour to troop to the one expensive machine. Time and motion thus saved will quickly pay for a number of MULTATOR-4's. Our quantity discounts will help too.

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. But in order to sell the MULTATOR-4 sight unseen, there must be a Guarantee that goes beyond any that you will find dealers offering on other machines. To wit:

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.

*What is automatic re-entry? To take a simple example, suppose you want to figure $34 \times 5 \times 6$. Except on the most expensive calculators, you would have to remember and then re-enter manually the results of the first two calculations to reach the final answer. That's how mistakes happen. But not with the MULTATOR-4. Re-entry is automatic, so the whole calculation is performed in one continuous operation. You memorize nothing. Re-enter nothing. The MULTATOR-4 does it all for you. Automatically.

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 by insured mail, subject to the stated guarantee.

I enclose \$89 plus \$2.00 for postage and insurance. (California Residents Add 4% Sales Tax)

Bill Diners' Club Acct. # _____

Bill Amer. Expr. Acct. # _____

NAME _____

ADDRESS _____

ZIP _____

Check here if you wish information on quantity discounts.

SN-0924 © 1965.

Haverhill's

Searching the World to bring you the Finest