

# SCIENCE NEWS LETTER





WEEKLY SUMMARY OF CURRENT SCIENCE



Polar Icebreaker

See Page 25

A SCIENCE SERVICE PUBLICATION

## BACTERIA AND THEIR SENSITIVITY TO



### ANTIBIOTICS AND GERMICIDES

#### A COMPLETE TEACHING UNIT

For performing innumerable laboratory experiments with microorganisms and demonstrating bacterial sensitivity to antibiotics and other drugs, disinfectants and germicides



#### THIS UNIT COMPRISES THE FOLLOWING:

- 8 Sterile calcium alignate swabs packaged one per
- 1 Vial of Ringer's Solution containing 1% sodium hexametaphosphate which will dissolve a calcium alginate swab.
- 8 Sterile calcium alginate swabs packaged one per envelope.
- 1 Vial Stuart's Transport Medium which can retain the viability of bacterial specimens for as long as two to three weeks.
- 1 10.0 ml. screw cap vial for procuring liquid or solid specimens.
- 2 Bottles each containing 100 ml. of a highly nutritive bacteriological medium.

6 Packets containing Multidisk sensitivity discs impregnated with:

aica	*******		
	P	Green	Penicillin
	S	Blue	Streptomycin
	Α	Yellow	Chlortetracycline
	N	Pink	Neomycin
	Ε	Red	Erythromycin
	C	Purple	Chloramphenicol

 2 Sterile blank Multidisks which may be used to show the bacterial activity of germicides and disinfectants.

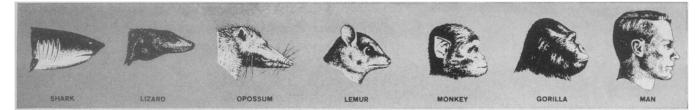
11-66G Bacteriological Laboratory Kit.....\$3.00 each
12 or more kits.......\$2.85 each
F.O.B. Chicago Heights

Literature on Teaching Kit and Visible Dome Incubator Available Upon Request



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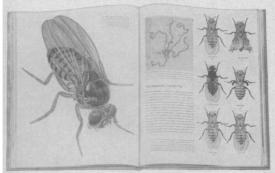
NOW YOU AND YOUR FAMILY ARE INVITED TO

## **Enjoy 10 Days Exploring** Two Billion Years of Evolution

## as guests of the LIFE Nature Library



THE MANY FACES OF MAN. Although Man is united in one species, it is racially divided into more than 30 subgroupings. Over the past 150,000 years, as men searched for new hunting grounds over the globe, they gradually developed traits that adapted them to each environment.



THE GENETICISTS' GUINEA PIG is the common fruit fly. This wonderful insect, ½ inch long, produces new generations profusely every 10 to 15 days, takes up little lab space, and has a simple genetic make-up of only 4 chromosomes. By bombarding its reproductive cells with X-rays, biologists have produced fantastic new mutants.

Why does man seem so similar to the be? Why do ancient rocks contain imprints of creatures now extinct? What causes giants, dwarfs, albinos? A little over a century ago, no one really knew.
Then an English biologist, Charles Dar-

win, published one of the most important books in history. The first 1,250 copies of his *The Origin of Species* sold out in a day, and a storm of controversy broke which has never entirely died.

Now here at last-in the style that LIFE has made famous, so that it makes perfect sense even to school children-is the remarkable story of evolution in this beau-tiful introductory volume of the LIFE Nature Library.

You retrace the historic voyage that young Darwin made on H.M.S. Beagle, and see the very same phenomena that set his mind ablaze. You see the primitive Indians of Tierra del Fuego, at the bottom of the world, so tough they sleep naked on icy ground. You tour the Galapagos Islands, Nature's own laboratory of evo-lution, where complete isolation from the rest of the world has resulted in startling species never seen anywhere else

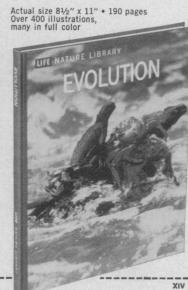
You see the clues to bygone life-shells, bones, tracks, eggs, imprints or entire mummies-preserved by Nature in tar, coal, ice, and stone. You see a frozen baby mammoth perfectly preserved in Arctic ice for 22,000 years. You share the thrill of the couple in Tanganyika as they uncover the bones of the world's earliest known man-over a million years old!

Genetic scientists take you into their laboratories to explain the mysteries of the microscopic genes and chromosomes that determine the inheritance of characteristics. You see a human egg magnified 2,000 times. How a living cell divides.

Obviously so vast and exciting a book cannot be adequately described here. So we invite you to borrow a copy from us for 10 days. Then if you wish you may return it and owe nothing. Or you may own it for much less than such an expensively printed and handsomely bound book would ordinarily cost. Thanks to LIFE'S vast facilities and large print orders, you pay only \$3.95 (plus shipping and handling). Then you will be entitled to receive another volume of the LIFE Nature Library for free examination every 2 months.

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ise to buy nothing. And you may cancel this arrangement any time you wish. However, the entire series makes an impressive encyclopedia of Nature that your family will increasingly treasurea superb reference shelf and study aid used in thousands of classrooms from elementary school through college. To examine the first volume, mail coupon,



MALE FRIGATE BIRD displays bright red gular pouch to attract females. Attractive sex characteristics increase mating success, are more likely to be passed on.



OFF TO BED goes the gorilla with leaves and branches for bedding. Though con-stantly on the move, gorillas build new nests on ground or in low branches nightly.



SKELETONS OF HORSE AND MAN reveal similar bones in similar positions. In such relationships Darwin saw echoes of a primeval pattern, modified by evolution.



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