

PSYCHOLOGY

"Synthetic" Anger

► THE SUGGESTION, given under hypnosis, that the individual would feel "very angry, hostile and aggressive" toward the examiner actually showed up in the hypnotized person's later performance on a personality test.

This was found in experiments conducted by Dr. Frank A. Pattie at the University of Kentucky and reported to the American Psychological Association in Cleveland.

When presented with the Rorschach ink-blot cards and asked to tell what they saw in the odd shaped daubs, some of these synthetically angry persons pushed away the cards and refused to take part. Those who did go along with the examiner saw in the blots such things as guns, fierce animals and other objects of violence. Only a few failed to display anger in either of these ways.

Some of the individuals had been asked what effect they thought hostility would have on the Rorschach test. The responses of these persons when given the test fitted in with what they had predicted. Those who believed it would have no effect gave the same responses as usual.

The Rorschach personality test also shows how a patient taking psychiatric treatment grows to be more like his doctor. Seventeen out of 21 patients studied had Rorschach scores more and more like those of their doctor while only four became more unlike him. Patients rated by their doctors as improving most with treatment showed the greater change to resemble the doctor.

Science News Letter, September 19, 1953

PSYCHOLOGY

Highway Accidents Due To Animals Not There

► MANY A serious highway accident is caused when a truck driver suddenly swerves or jams on his brakes to avoid hitting a little animal that is really not there.

This was found when psychologists looked into the causes for accidents to long-distance truck drivers. The findings were reported to the American Psychological Association, meeting in Cleveland, by Dr. Alfred L. Moseley of the Harvard School of Public Health.

Just what causes the drivers to "see things" in their path was not found, but it happens when the driver is sleepy, usually at night and always on long distance runs. It is not until the truck has come to a screeching stop that the driver begins to realize that the animal may be imaginary.

Science News Letter, September 19, 1953

QUESTIONS

ASTRONOMY—What so-called stars are not stars at all? p. 186.

BACTERIOLOGY—Of what crime is the violet germ found guilty? p. 183.

BOTANY—Of what use are pollen-sterile plants? p. 181.

CHEMISTRY—What materials can plastics be made from in the future? p. 179.

GENETICS—What do chromosomes look like? p. 178.

MEDICINE—How can clots in the heart's arteries be dissolved? p. 182.

What hope is there of cure of now incurable diseases? p. 180.

PHYSIOLOGY—What chemicals spur the body's protective mechanisms? p. 178.

Photographs: Cover, University of California; p. 179, Chicago Natural History Museum; p. 181, Fremont Davis; p. 183, Woods Hole Oceanographic Institution; p. 186, Dr. Frank J. Kerr; p. 192, Johnson Motors.

HIGH POWER REFRACTING ASTRONOMICAL TELESCOPE

With fully corrected 60mm (2 3/8") diameter Achromatic objective of 800mm F. L. which is coated.

Made in Japan of substantial construction with all white enameled body. Focusing by rack and pinion. Very good quality and design. The eyepieces work with both the erecting prism, for terrestrial use, as well as with the diagonal prism for astronomical use.

SPECIFICATIONS:

Altazimuth Mounting; Tripod of wood, with 3 collapsible sections, fitting into case. 4X Finder with cross-lines. Diagonal Eyepiece. Erecting-prism Eyepiece, Sun glass. Three corrected Eyepieces giving powers of 40X; 64X and 88X. Comes complete in hinged, covered wood case. **SAVE MONEY!** Our price **ONLY \$97.00**, plus \$3.00 for packing and Parcel Post.

TERRESTRIAL TELESCOPE

Finest Imported Quality

Here is your chance to own a fine, high powered telescope to see hundreds of interesting sights. Fully achromatic (color corrected) and anastigmatic. Very nicely finished. Coated lenses.

10 power at . \$6.50 20 power at . \$ 8.00
15 power at . \$7.00 30 power at . \$12.50
Add 50c packing and postage on each of the above.

40 and 80 Power ROSS STELLARSCOPE

WITH EXQUISITE DEFINITION **\$16.50**

Same Principle as Mt. Palomar Newtonian Telescope Complete. Knocked down. Ready to be assembled in 15 minutes. All holes drilled, no additional parts necessary! Only tool required is screwdriver which we furnish. **NO LENS GRINDING! LENSES COMPLETELY GROUND, POLISHED AND ALUMINIZED.** Now you can afford the luxury of a REAL telescope. Sharp, clear images guaranteed; no color fringes, fuzz, or distortion. Light, portable, weighs only 6 lbs. Not a toy! This is a precision instrument for serious work on the Planets, Moon, Variable Stars, Nebulae, etc. Suitable also for terrestrial observations.

Thousands of satisfied amateurs have assembled these scopes. So can you!
Our astronomical material is fine enough for (and is used in) the World's most famous observatories—yet is priced so that beginners can afford this equipment.

Remember! Ross Stellarscope contains tube and all parts necessary to make a complete telescope, not simply the mirrors and lenses.
Stellarscope without Tripod \$16.50. Tripod available extra.

A POPULAR INTRODUCTION TO ASTRONOMY!

New Handbook of the Heavens, the best guide to the stars for the amateur. 240 pages, 40 illustrations. 50c Postpaid.

PORRO PRISMS

Oval Face. Manufactured by world-famous opticians for use in Army and Navy binoculars. Rejected for slightly chipped edges. Outstanding Bargain!

6 x 30 @ \$.50
7 x 50 @ .50
Giant Size @ .75

Add 5c per prism for packing and P. P.

HIGH POWER MICROSCOPE

Magnifies 100, 200, 300 times

PRECISION BUILT

An excellent microscope for the younger amateur. Sturdy! Mechanically well constructed. Sharp—clear optical image—no astigmatism! Good color correction. Remarkably little residual color.

Packed in dovetailed hardwood storage case, 8"x5"x3 1/2". Shipping weight 3 lbs. Square stage 2 1/4"x2 1/4" with slide clips. Over-all height 8 inches. 1 ocular. Triple objective. By turning the turret, you can magnify anything from 100 to 300 times its actual size. Rack and Pinion adjustment.

We have waited years for this desirable instrument and are very pleased to be able to offer it at the very low price of only **\$13.50** plus 50c P.P. and Ins.

"SIMPLE MICROSCOPICAL TECHNIQUES"

Just published. 8 page booklet with 7 illustrations. Concise. Explicit. Informative. Interesting. Tells how to "use" the microscope. Tells how to "make" 25 to 50 prepared slides. Author has put 27 years experience into print. **ONLY 30c POSTPAID.**

Include Postage—Remit with Order

No open account—No C.O.D.

Send 25c for General Bulletin

HARRY ROSS

MICROSCOPES — TELESCOPES

Scientific and Laboratory Apparatus

70 West Broadway, Dept. SNL-10B

New York 7, N. Y.

Basic Books on INTERLINGUA

The new international language

Get the grammar and dictionary which will allow you to study this simple language, used in the new international edition of Science News Letter, Scientia International.

Interlingua-English Dictionary of the International Language
\$5 postpaid

Interlingua Grammar of the International Language
\$3.50 postpaid

These are the standard books on this new tool for international understanding. Both bound in substantial buckram.

Postpaid if ordered from

Retail Book Department
SCIENCE NEWS LETTER
1719 N St., N.W.
Washington 6, D. C.

