

carvings. The style of architecture is elaborate.

A surprising feature is the presence of human and animal designs among the wealth of art figures. Moslem aversions to picture-making of men and animals are well known. But the prohibition is not in the Koran, and it is now evident that Hisham's era saw no official

objection to the human form in art. That must have come later.

Hisham's palace not only was adorned with whole rows of portrait heads in stucco paneling, but there was even a statue of a plump dancing girl wearing a skirt and carrying stiff bouquets of flowers.

Science News Letter, March 4, 1939

PSYCHIATRY

Says Pay Envelope Is Not Employee's Greatest Concern

Prestige and a Desirable Social Setting Are Important For Maintaining of Morale Among All Types of Workers

THE BUSINESS executive is making a mistake when he tries to manage his concern on the principle that the only thing that matters to his employees is "what is in the pay envelope," Dr. Temple Burling, psychiatrist with a large New York department store, told the American Orthopsychiatric Association.

The difficulties which industry is experiencing today in handling personnel relationships is chiefly due, in Dr. Burling's opinion, to this mistaken idea the average business man uses in thinking about human motives.

As an example of some of the other things about a job that matter to the worker, Dr. Burling described the executive "who has to have his office re-decorated with each promotion, in order that it shall adequately express his importance." At the other end of the economic scale, there is the story of the delivery truck driver who had been put on another job because of an illness. He was very anxious to get his old job back, not from economic motives (because his pay had been kept the same) but because he had a three-year record of no accidents, felt himself one of the elite in consequence and was eager to be back where he had obtained recognition and could go on to increase his reputation.

The term economic security, Dr. Burling pointed out, becomes confused and vague if it is considered apart from other kinds of security. It means more than food, clothing and shelter, for millions who are concerned about economic security have no cause for anxiety about these things.

"Their anxiety," Dr. Burling declared, "is for a secure place in a social setting which they regard as desirable. A job,

both directly by its prestige, and indirectly through the wages it brings, helps to maintain this security and at the same time is a very appreciable part of the social setting in which the individual wishes to maintain himself."

Considering a man's total personality in his total situation, including job, family, social life, etc., is the greatest contribution psychiatry can make to industrial management he said.

Science News Letter, March 4, 1939

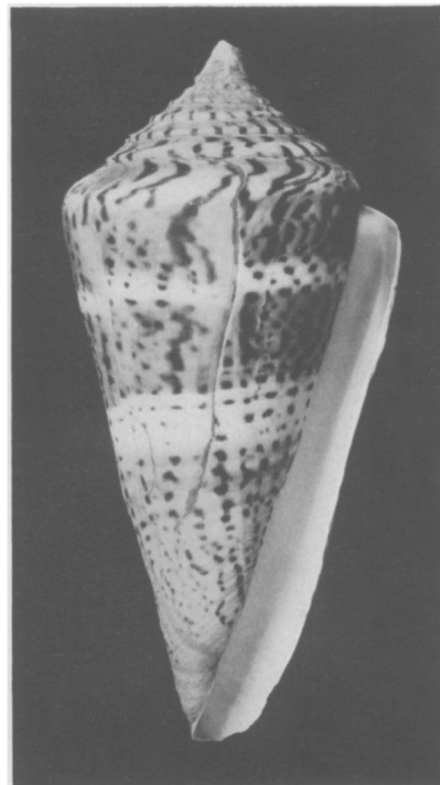
Love Cures Delinquency

Loving kindness as a remedy for delinquency and behavior disorders in some children was advised by Jeannette Axelrode of the New York Jewish Board of Guardians. The old-fashioned case worker who had none of the modern techniques for handling such cases often got good results by the warmth and devotion he unconsciously gave to his small clients, Miss Axelrode pointed out.

She suggested that this treatment by loving kindness—supportive therapy is the technical term—might be used with advantage in modern psychiatric treatment of certain patients. Some of the young delinquents are starved for love. "Suffering from a lack of emotional vitamins necessary for normal growth" is the phrase Miss Axelrode used.

Some of the failures in modern treatment of these patients come, she suggested, from the fact that psychiatrists are attempting to treat a fever when the child is suffering from malnutrition. In other words, the child is suffering from emotional deprivation but is getting treatment for emotional conflict.

Science News Letter, March 4, 1939



CONUS SOZONI

MALACOLOGY

Two Exquisite Shell Species Named For Diver and Wife

ON WEDDING anniversaries and birthdays, Sozon Vatikiotis, of Tarpon Springs, Florida, does not need to send flowers to Helen, his wife. All he needs to do is hand her two small seashells, as exquisitely shaped and delicately colored as any orchid.

These shells represent some risky reef-exploring work by Mr. Vatikiotis, who is a deep-sea diver. Recognized as species new to science by Dr. Paul Bartsch of the U. S. National Museum, they have been given specific names in honor of the discoverer and of Helen, his wife: *Conus sozoni* and *Fusinus helenae*.

When the first of the two was sent to Dr. Bartsch by Mrs. Vatikiotis, he wanted to name it for her, but she insisted that it be named for her husband, because "he had risked his life in obtaining it." Then the diver came up with a second tiny but lovely treasure, and Dr. Bartsch was able to give Helen Vatikiotis a scholarly bow also. The two species are figured and described in a new publication of the Smithsonian Institution. (Turn to Page 142)

is well shown in the well-rained Atlantic and northern Pacific coasts of the United States, not to mention the famous dunes on the southern and eastern shores of Lake Michigan.

Dr. Cooper also points out present-day Ice Age conditions which he has studied personally in Alaska. There, around the ends of retreating glaciers, thick vegetation grows up, and even dense forests of conifers push to within a few yards of the melting blocks of ice.

Science News Letter, March 4, 1939

AERONAUTICS

Going Up

• "Most flying takes place in the thick of the weather at levels ranging approximately from 2000 to 14,000 feet. The reasons for this low altitude flying are the physical discomfort from lack of oxygen experienced at higher levels and the fact that at present most planes and engines perform best within these limits. But the day is coming when non-stop flights of over 3000 miles will be common, and when cruising altitudes will be raised to stratospheres or even stratosphere levels—say, about 35,000 feet."—Assen Jordanoff in *THROUGH THE OVERCAST* (Funk & Wagnalls).

Science News Letter, March 4, 1939

From Page 135

There are only two specimens of *Conus sozoni* known. Of a related rare species, *Conus gloria-maris*, there are some 22 specimens, which have a market value among collectors of \$600 to \$800 each. There is no way of estimating the cash value of the two specimens of *C. sozoni*. One is jealously guarded in the U. S. National Museum and the other is treasured by Mrs. Vatikiotis. Nobody could possibly buy either one of them.

Science News Letter, March 4, 1939

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FORESTRY

Foreign Fungus Foes Menace American Trees

FOREIGN enemies are entrenched in America on a dozen fronts. Their destructive activities are directed not at cities and the people who dwell therein but at our wealth of trees. Their havoc has already run into the hundreds of millions, and the end is not yet in sight. Against some of the worst attacks scientists have thus far been unable to find adequate defense.

Newest outbreaks are of diseases that threaten two favorite street trees, the American elm and the London plane or sycamore. Elms, already losers from the fungus-caused Dutch elm disease in the region around New York, are now suffering from a killing virus in the Ohio valley. At first thought to be a "town" ailment, the disease has now been found in forest elms in West Virginia.

The London plane tree, a hybrid between European and American sycamores, is particularly valued for street plantings because it can endure city smoke. The fungus that is killing it in Philadelphia and Baltimore, and that threatens to spread to other cities, is therefore a particular foe of city foresters and park commissioners.

Two other new diseases are menacing forest trees that are valuable alike for their wood and as sources of food for wildlife, states G. F. Gravatt, plant pathologist in the U. S. Department of Agriculture. One is a virus that has been found attacking oaks in Wisconsin. Although its distribution is limited as yet, foresters and wildlife administrators are alarmed over the possibility of its spread.

The other disease threatens to wipe out the American persimmon, valued as a source of hard wood for golf clubs and of food for wild birds and mammals, as well as a soil-binder in erosion control. It first appeared near Nashville, Tenn., in the summer of 1937. Last summer, R. Kent Beattie of the U. S. Department of Agriculture found it all the way from South Carolina to Mississippi. It kills the trees in a few weeks, and spreads with explosive rapidity.

As if the plague of chestnut blight that started something over a generation ago and has practically wiped out the American chestnut were not enough, a new enemy is attacking the few remaining chestnut trees in the South that the wilt has not yet reached. It is a root rot

fungus, and it kills not only the chestnut trees but their smaller-fruited relatives, the chinquapins, which are an even more important source of food for game.

A deadly combination of a scale insect and a fungus is killing beech trees in New England. It got started in Nova Scotia or New Brunswick, and presently crossed the Maine boundary. Beechnuts are an important wildlife food, and the probable replacement of dead beeches by maples will make the forest a decidedly leaner larder for game.

A double invasion, one disease from Europe and one from Asia, has converged upon certain species of willow, and is killing the trees in great numbers. Willows are irreplaceable in certain types of soil conservation plantings, and they are also favored browse for deer and other game animals.

Against all these enemies of our trees scientists are struggling valiantly, though it is an uphill fight all along the line. The persimmon blight has spread so rapidly that there is no use trying to get rid of it by destroying infected trees, as is being done in the battle against the Dutch elm disease. The attack on the chestnut ended in disaster long ago. Whether the new root rot that is killing chinquapins will wipe them out also is still uncertain, but the prospects are not bright.

In some cases, doomed native species can be replaced with resistant trees brought from other countries. Mr. Beattie spent several years in the Orient, seeking suitable chestnuts, and brought back a number of promising varieties. The same may be done in the case of the persimmon, for Chinese and Japanese persimmons have been found to be immune to the fungus. Hybrids between susceptible native trees and resistant foreign species are sometimes resistant.

Science News Letter, March 4, 1939

● RADIO ●

Dr. Otto Struve, director of Yerkes Observatory of the University of Chicago and of the McDonald Observatory of the University of Texas—University of Chicago, will be guest scientist on "Adventures in Science" with Watson Davis, Director, Science Service, over the coast to coast network of the Columbia Broadcasting System, Thursday, March 9, 7:15 p. m. EST, 6:15 p. m. CST, 5:15 p. m. MST, 4:15 p. m. PST. Listen in to your local station. Listen in each Thursday.