

oiticica oil. Prior to 1934 these exports were negligible. In 1935 exports of oiticica oil totaled 4,000,000 pounds and in 1936 they jumped to between 8,000,000 and 10,000,000 pounds. In 1936 the United States took 3,000,000 pounds of the total and in 1937 the amount increased to 4,000,000 pounds. World export figures for 1937 are not yet available.

Research is showing how the oil can give both smooth and crinkly surfaces to paints and lacquers. Early work, in which the oil was processed like tung oil, gave discouraging results that are now being overcome.

Oiticica oil seems especially adapted for use with phenolic resin lacquers of which bakelite is typical. The crushing of the nuts in northern Brazil is now done in modern factories which bid fair to set up a new oil source despite any events which may occur in the far east. Chemists in Germany, England and France, as well as the United States are studying the oiticica oil.

Science News Letter, March 19, 1938

MEDICINE

Cancer Attacks Children As Well As Older Persons

YOUNG persons can and do have cancer. It occurs in practically all parts of the body.

The Barnard Free Skin and Cancer Hospital, St. Louis, since 1908, has had 134 young patients in whom the diagnosis of cancer was definitely proved by microscopic examination.

Seventy-two additional cases were diagnosed as cancer by experienced staff physicians, but on these there was no report of microscopic examination.

Youngest in the series were a girl 8½ and a boy of 9 years. The youngest with carcinoma of the lip was 19; of the breast, 22; of the ovary, 15, and of the cervix, 20 years.

Drs. Norman Hall and James W. Bagby report the cases in the *Journal of the American Medical Association*. (March 5)

They report also a seeming tendency of cancer to manifest itself more often during early life. Cases reported are of carcinoma only. Sarcoma and other malignant conditions have not been included.

"The age of the patient must not influence one in procrastination and watchful waiting," the St. Louis specialists state. "The results of treatment in young persons, as in older ones, depend on early diagnosis and adequate treatment."

Science News Letter, March 19, 1938

PSYCHOLOGY

Expert Tells Why Wives and Husbands Want to Leave Home

Path From Altar to Divorce Court Is Lined With Petty Annoyances Because Neither Partner Cares

TWO MILLION young men and women will be married during the coming year. They will all start off in a flurry of good wishes and rice, hoping for great happiness.

But nearly 200,000 of these marriages will end in the divorce court instead of happiness ever after.

Los Angeles county, famous as the site of glamorous movie romances, is also noted for its brittle marriages. There, one-half of all the married couples go to the divorce court to air publicly their marital infelicities.

Many more couples, in Los Angeles county and elsewhere throughout the United States, remain miserably at home still married but far from happily married.

To stem the tide bringing about the wreckage of so much human happiness, a clinic was started in Los Angeles some

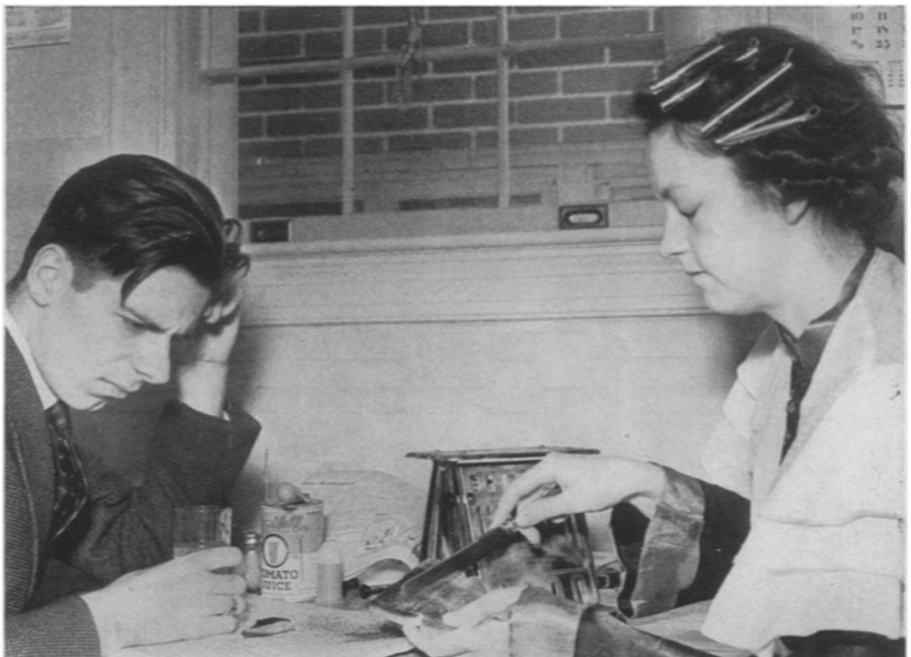
years ago to treat ailing marriages. There, husbands and wives pour out their troubles to expert advisers.

No two cases are exactly alike. The family problems are complicated; they have been years in developing. But in most cases where both husband and wife are intelligent and want to make a success of their marriage, the Institute of Family Relations is able to show them how to do so.

After listening to the confidences of many an abused wife and tortured husband, Dr. Paul Popenoe, director of the Institute, has listed for you some of the most popular methods of husband and wife torture. Here is a picture of an American husband as seen through the eyes of the unhappy wife:

He is away from home taking care of business most of the time.

When he is home he acts as if the



SHE GETS UP LATE

Husband complains when, in pajamas and curlers, the wife sets a can of tomato juice on the table, which he dispatches while she scrapes the toast. He doesn't like her curlers, pajamas or the thrown-together breakfast. His newspaper reading during breakfast peeves her.



HE IS UNTIDY

Wife kicks because friend husband hangs his clothes on the door knob and thinks his wife is lucky he doesn't throw them on the floor. He never knows where his belongings are and doesn't even look but shouts "Where's my so-and-so?"

place was merely a boarding house, and not a very good one at that.

He reads the newspaper at breakfast.

He comes home for dinner when he feels like it.

He never takes the trouble to phone if he is late, but expects his wife to have a good meal ready at any time.

He praises his bachelor days and "points with pride" to some of the fine girls who wanted to marry him.

On Sundays he doesn't dress or shave. He doesn't even brush his teeth. There's no one around then but "the missus," and of course she doesn't count.

Won't Let Her Drive

He drives the auto to work, so that his wife can't use it. Anyhow, he doesn't like her to drive.

In the evening he vetoes any suggestion that they go out. He wants to read the paper, hear the radio, and go to bed.

He hangs his clothes on the door knobs, and thinks his wife ought to be delighted that he doesn't leave them on the floor.

In short, he considers himself a star boarder rather than a lover.

That is the unhappy wife's picture of her husband. But the husband has his complaints, too.

"There are always two sides to a

story," Dr. Popenoe says. "if one draws conclusions from the complaint of one partner, the verdict may have to be revised radically when the other is heard from."

His Side of It

Here is the way the unhappy husband described his wife:

She goes to bed in curl papers.

She gets out of bed late in the morning.

Clad in pajamas, she puts some canned fruit and weak coffee on the breakfast table which her husband dispatches while she is scraping the toast.

She is always out of something, has to suspend operations while she goes to one neighbor for a couple of eggs, and to another for a tablespoonful of baking powder.

In the evening she wants her husband to hear a recital of all the conversations she has had during the day with deliverymen and peddlers, unless she varies the program by whining and complaining.

When out with friends she discusses family affairs or details of her husband's business.

She corrects her husband's grammar in public.

She changes the details of the jokes he tells.

She is always trying to flirt with some male in public.

She runs to mother for sympathy.

She is not truthful.

She opens her husband's mail.

She lets herself get fat and sloppy in appearance.

She leaves her stockings soaking in the washbowl to confront her husband when he has only three minutes to shave.

That is the husband's side of the story.

Neither Tries

Dr. Popenoe sums up both sides with the verdict that neither partner is really trying to make himself pleasant to live with.

"Husband and wife usually will not admit that they are indifferent; that they care too little about the marriage to give it the attention it requires," Dr. Popenoe says. "But they continually act on that principle."

"Before marriage, they have made some effort to please each other. Each has put his best foot forward. Now they are married so they think it is time to 'settle down.'

"No greater mistake could be made than to think that a successful marriage ever 'settles down.' It must be a dynamic relationship; a continuous adjustment of two changing personalities that are surrounded by perpetually changing scenes."

There are four family problems so common that they are elements in practically all the difficulties that have been submitted to the Institute of Family Relations for assistance.

The budget takes first place in marital problems. Wives and husbands quarrel over the way that the mechanics of the home are run or not run on both sides. Removal of friction on these subjects is usually easy, and does much to lessen the tension in the home, Dr. Popenoe has found.

Second in importance as a source of difficulties is the matter of recreation. The husband who has been away from home all day likes nothing better than to get home and stay there. He wants to take off his shoes and put his feet up. But the wife has been looking at the same flowers in the wall paper all day long; she wants to go out. They discuss the question of whether to go or stay all evening and so do not get the benefits of either plan.

They need to build up mutual interests to break the monotony of life and give them something interesting to think about and talk about. A reorganization of the recreational (*Turn to Page 190*)

photographed the Colorado Territory before it was a state, crossed the mountains before the railroad came, and saw buffalo herds on what is now the rich agricultural country of the high plains.

After the ceremonies, he rode in a fast automobile over the same trails that once felt the steel tires of his ox cart, and revisited the cities that were built at the "end of steel" when he was photographing railroad construction. Half of Captain Jackson's life has been spent beside the rushing streams of the mountain country, and for years he slept in his blankets by lonely campfires in the ice-carved valleys of the West, but he is equally at home in the cow camps of the modern West, and the formal affairs of the East.

Last August, after a fall down a fifteen-foot concrete stairway, he made his first "business" visit to a hospital, and after five weeks in bed in Cheyenne, where he had camped before there was a city, he walked out, under his own power, with his broken bones set and his health restored. They must have built them tough in 1843. Most men half his age would spend more time than that recuperating.

Recently, the Ford Museum in Dearborn, Mich., acquired some thousands of Captain Jackson's carefully-saved glass plates, which were field records at the time they were made, and are now irreplaceable historical records. The Denver Public Library keeps a number of his prints on file in their historical section, and every few months some newspaper publishes a few of them. Only by looking at the date in the caption can anyone tell that these are not modern work, and good modern work at that.

Next summer, according to present plans, Captain Jackson will go out into the wilds of Colorado again, and re-photograph the Mount of the Holy Cross, near Leadville, at the same site from which he snapped it sixty-five years ago.

Science News Letter, March 19, 1938

PATON RANCH

A home, on a mountain stream in the foothills of the Big Horn Mountains, where a limited number of congenial guests are cordially welcomed.

It is a region of great geological and historical interest. Marine fossils, dinosaur bones and Indian implements are found nearby.

Guest cabins are comfortable and attractive. Food is good. The modest weekly rate includes the use of a saddle horse.

Write:

WILLIAM PATON

Shell Wyoming



EVENINGS ARE A PROBLEM

Husband comes home tired and wants nothing more than to stay there but wife has been in all day; she wants to go out. Result: an evening of argument. Many couples throughout America are fighting this battle almost daily.

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life of the family is often a necessary and a fairly simple step toward ironing out marital difficulties.

The third factor in almost every unhappy home is a sexual maladjustment.

"This turns out," Dr. Popenoe explains, "to be due to one or both of two causes; either mere ignorance of elementary facts about the anatomy, physiology and psychology of sex, that should have been learned by every child as a matter of course at the high school age; or else the results of some early emotional shock, some warping, thwarting, frustration, or deviation from the normal course of emotional development.

"In other words, it is almost never an inborn difficulty—it is merely an educational problem, the consequences of wrong training or no training at all. It can be remedied."

A great deal of difficulty grows out of failure to act on the well-known fact that men and women do not think and act alike.

"Men are continually in hot water because they ignore the well-known peculiarities of feminine psychology—because they forget anniversaries, for instance.

"But women are probably the greatest sufferers, because they have too of-

ten been taught that the differences between the sexes do not amount to much."

Better education in the high schools in the field of sex psychology is urged as a preventive of friction between husband and wife by Dr. Popenoe. He also advocates a special preparation for marriage, including an impartial study of the personalities of engaged persons so that if, for example, two very bossy individuals marry they will at least be forewarned.

Science News Letter, March 19, 1938

There are ten Indian tribes in New York State.

American industry maintains more than 2,000 research laboratories.

Books

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