By GRAHAM SAUNDERS (Released by Associated Newspapers WNU Service.)

HE WAS just a private, Drusilla noticed, as he lounged easily into the drug store and draped his tall form against a pillar, waiting cents a yard, and 24-ounce canvas attention; but she had to admit reluctantly that he was the handsomest man she had ever seen in all her 26 years. And the daughter of a small-town druggist is likely to see quite a few men in ten years of

With infinite patience Drusilla ing treatment. You should start with helped old Mrs. Gordon select a new a flat deck of closely fitted boards, face powder, some new rouge and with no uneven places. On this put several other articles of makeup a fairly thick bed of white lead made suitable for a 16-year-old flapper, into a soft paste by adding linseed and when the 60-year-old devotee of oil. Stretch the first strip of canthe modernists had departed she vas at the edge of the roof, rolling came quietly up to the tall soldier it into the paste and securing it and asked him what he wanted.

"Gosh, sister," he confided in a apart all around. Lay the second tone that would have been fresh in strip with its edge overlapping the another, "all I want just this minute is to feast my eyes on you. I guess | Put paste under the overlap and se-I know, now, why I stayed single so long!" Drusilla laughed merrily and then said: "Our ice-cream sodas are refreshing, uh, to the memory as well as otherwise!" and the same, used as it comes in the he lounged over to the fountain.

Later he discovered that he needed a toothbrush, some shaving cream, shampoo, a special face soap and a box of chocolates. The latter was the cause of their better acquaintance, as he selected a rather inferior brand in a very plain wrapper and after a swift glance she said: "These are very fine. I buy them myself, and the box is sure to please even the most fastidious girl! You know," she added naively, "so many of us like to keep the ribbons as reminders!" "Uh-thanks for the tip. I'm a stick in the mud. Have you a

large collection of ribbons?" "Not too many; none that has any especial sentimental attraction, if that's what you mean," she retort-

Later—it must have been six in the evening—she looked up as the last customer of a rush crowd cleared from the store, and Drusilla was startled to note the large white-wrapped box on the soda fountain table. With a strange thrill she picked it up and saw lettered neatly in one corner her name, and the strange premonition that it was from the tall soldier proved correct. and she paused an instant to ponder how he could have discovered her

Opening the package, Drusilla the scrawled note within. If she could overcome her scruples against a common soldier on a common private's pay, would she meet him outside the shop at closing time and go canoeing with him? If she would! And Drusilla's eyes shone and her face glowed all the evening until her father finished putting up prescriptions and came out to relieve her. She walked on air as she ran to powder her nose and she laughed shakily as she removed the ribbon from the chocolate box and pinned it with the tiny crescent diamond pin to the front of her dress at the collar. And tucking the box of chocolates under her arm. she went out to the street.

He stood in the shadows, close to her father's shop, and his curly black head was bare as he came eagerly forward to greet her. Ardent admiration shone in his blue eyes as he took her box and touched her elbow lightly, piloted her across town by the big, dimly lit library and down to the river where the boathouses and canoes were. Later, as they drifted along under

the sweeping willow branches, he hummed, and then at her urging sang in a fine baritone the exquisite words and music to "Girl of My Dreams," and then fell strangely silent. "Why so silent?" she teased, and he answered honestly, "Afraid your boss wouldn't let you off, Miss Dexter!" and she knew a guilty, glad thrill; he didn't know she was the only daughter and heiress to the Dexter drug stores-didn't guess she would one day inherit the fortune made by the famous "Bixell" drugs! And then they talked and talked and talked.

"Do you truly have to wait for some one to die for promotion, Terry?" for they had become Terry and Drusilla in four hours of magic moonlight and canoeing!

"Uh, regular soldiers have to wait in line, advancement—but I'll never hate reveille any more!" he ended eloquently as he beached the craft

skillfully "Why?" she asked softly as he

helped her ashore. "Because I've heard it for the last time, the real reveille, the awakening to life and love and ambition! From now on I'm a civie, hustling for regular promotion!"

"You mean you'll quit the army and go into business?" she asked. "Yup," he answered joyously, "got to hustle now if I'm going to win the one girl!"

"What will you do?" she asked "Sell bonds and make love to

you," he said exultantly.
"Do you have to?" she asked softly against the rough tan of his coat as she burrowed her nose deeper into the cigarry-scented

"You don't answer reveille but once, darling," he said, tipping her face up to kiss her tenderly. "Once

you're awake you stay awake." Since the first automobile show, the

automobile industry has bald wages; totaling more than \$85,000,000,000. | tablishments.

Oahu, Tiny Pacific Isle, FIRST-AID+ Has U. S. Military Value

to the

AILING HOUSE

By ROGER B. WHITMAN

(@ Roger B. Whitman-WNU Service.)

Canvas Decking.

shrink, and they have a water-proof-

with long copper tacks put in an inch

edge of the first one by two inches.

cure by tacks. Continue in this way.

when it is dry, two more coats of

Silverfish and Crickets.

silverfish and crickets?

Question: How can I get rid of

Answer: For both of these insects

use pyrethrum powder, which is the

silverfish blow it into cracks in the

woodwork, such as the crack be-

tween flooring and baseboard; blow

it on shelves, behind books, and in

similar places. For crickets blow it

into the air behind pieces of furni-

ture, boxes and radiators, and other

places where crickets conceal them-

selves. Pyrethrum powder loses its

strength on exposure to the air. It

should be bought in sealed pack-

ages, and blowing should be repeat-

Building a Cottage.

Question: Being handy with tools,

am undertaking to build a sum-

mer cottage. What book that is fairly

up-to-date will give me details and

Answer: The National Lumber

explanations of small house con-

Manufacturers association, Wash-

ington, D. C., issues pamphlets on

construction details, which would be

well worth sending for. You will

Superintendent of Documents, Wash-

Problem of Dampness.

level in an apartment house built on

a slight rise, and 100 yards or so

from tidewater. Parquet floors show

no sign of warping or unevenness,

except in one spot where boards

creak and sink a little. Do you

think the apartment may be too

you describe, I see no reason why

the apartment should be especially

damp. The creaking boards should

be investigated, however, to learn

if the supports underneath have rot-

Plywood Walls.

new country cottage are finished

with plywood. Can I use a spar

varnish finish on the walls? Is it

advisable to first coat the walls with

Answer: Spar varnish will be all

right. I would advise two coats.

Dull the gloss of the first coat of

before applying the second coat. Lin-

Refinishing Station Wagon.

station wagon has weathered dull.

Would like your advice on refinish-

soap and warm water, rinse with

clear water; then wipe dry. Allow

the moisture to dry out for a few

hours. Refinish with one or two

coats of a top quality spar varnish.

Be sure the surface is dull before

White Paint on Screens.

Question: My house is somewhat

shaded by trees, but when I put

on the screens the house is notice-

ably darker. Would white paint on

the screen wire help? Would it make

the house look crazy? It is now

Answer: It would not be objec-

tionable, and would help brighten

the interior. Make sure the paint

is thin enough so it will not clog

Cleaning Reed Chairs.

Question: Is there a good way to

clean chairs made of bamboo peel

cane? They are decorated with a

Answer: Those chairs can be

scrubbed. Use any cleaning pow-

der in a weak solution, applied with

a scrubbing brush and cloth. Follow

by rinsing with clear water and wip-

ing dry. If refinishing is needed,

Bright Electric Light.

bulb O. K. for reading when used in

Answer: It is perfectly safe pro-

vided the eyes are protected from

the direct glare of the light. The

light from a lamp of such size is

usually thrown against the ceiling

Question: Is a 200-watt electric

the openings in the screen.

small black design.

use quick-drying varnish

an inverted lamp?

for indirect lighting.

Question: The woodwork of my

seed oil is not necessary

applying the varnish.

painted cream.

Question: The kitchen walls of my

Answer: With the ventilation that

damp in spring and summer?

ted or otherwise given way.

Question: We live on the street

ed every three days.

canvas be laid?

Modern military history has a strange chapter for the quiet, almost primitive, northwestern shore ine of Oahu, now considered the United States' outflung barrier against any attack upon the main-

Almost untouched by the moder-QUESTION: How can I cover a porch floor with steamboat decknity of Honolulu, 30 miles distant, porch floor with steamboat deckthe people of this strategic military ing? Twelve-ounce canvas costs 33 tangent are peaceful fishermen and small farmers. They include vir costs 75 cents. Will the difference in tually all of Hawaii's varied races. cost be justified? How should the

The military important "north shore" lies on the windward side of Answer: Get heavy canvas, and the island, a low coral-sand shore buy a kind that is intended for the line, sometimes bitterly lashed by purpose. The best qualities will not heavy seas. To the westward, the extreme tip of the island, Kaena Point, is a blunt green cliff. Schofield barracks, the country's largest military post, is located a few miles

Military officials decline to specify the sections of the island considered most vulnerable to invasion, but the proximity of Schofield barracks and the location of tactical exercises indicate the importance of the "north

Other low sections of the island, some virtually uninhabited, were When the roof is covered, put on a similarly "protected" by mobilized croops during war games. priming coat of deck paint, and

The "north shore" fronts steamer and airship lanes to the Orient. Its residents, including many of Oriental descent, long have been accustomed to military activity. Maneuvers send troops near their houses, and field pieces are planted near by.

Hawaiian fishermen, some using common yellow insect powder. Put | hand nets and spears, fish inside the it in a powder puffer and for the | reef, which parallels the shoreline a few miles seaward. Japanese sampans are anchored in a sea-water inlet, which resembles a rustic

Many residents of this area are employed by one of the islands' largest sugar plantations, living in their own community and visiting Honolulu only infrequently. School children go barefooted the year

Despite the importance placed upon it by modern military observers, the "north shore" traditionally has been one of the most peaceful sections of the islands. It seldom knew the bloody intertribal warfare of Hawaii's early history.

Louis XIV Possessed

Famous Hope Diamond

This famous diamond, named for a former owner, H. T. Hope, is believed to be part of a gem puralso find several pamphlets in Price List 72, "Publications of Interest to chased by Louis XIV in 1668. It Suburbanites and Home Owners," | was discovered in the Kollur mines to be had for the asking from the of southern India and bought by Tavernier in 1642; at that time it was more than 112 carats. It is described as steely or greenish blue. weighing 44¼ carats. It was in the possession of the French royal family until 1830, when Mr. Hope bought it for about \$90,000. His grandson sold it in 1901, and it passed through the hands of a number of dealers, a Russian prince, the Sultan of Turkey, etc., before it was purchased by the McLeans in 1911 for \$260,000. Superstitious persons who associate the stone with misfortunes that have attended its various owners have called it the "Blue Terror." Tavernier, the first European owner, was devoured by wild dogs, Marie Antoinette and Louis XVI were beheaded. Sultan Abdul Hamid was dethroned.

Record Auto Use The department of commerce recently reported that world registrations of passenger cars, trucks and busses last year advanced the total to the record high of 43,819,929 venicles in operation as of January 1, varnish by rubbing down with fine 1939. This represents an increase of sandpaper, then wipe off the dust 741,299 vehicles, or 1.7 per cent, as compared with the previous year. Achievement of this record is attributed by the department to an advance of 7.1 per cent in the motorization of countries outside the United States, since registrations here at the end of last year declined Answer: If the varnished finish is slightly from the January 1, 1938, not peeling, wash the surface with

> Registrations in the United States included 25,264,260 passenger cars, 4,427,413 trucks, 156,237 busses and an estimated 5,000 Diesel units.

> > **Turpentine Cup Rust**

One of the principal problems of the naval stores industry is the failure of the turpentine cups to last more than one year without rusting and the presence of rust brings about a discoloration of the rosin, which is highly detrimental to the product. To overcome this trouble the bureau of chemistry of the department of agriculture has been experimenting for some time in an endeavor to find a suitable coating to guard the cups against rusting for longer periods. A number of materials have been worked out, but all have proven too expensive for practical purposes.

Italy Educates Nomads

.The efforts made by the Italian government to abolish nomad life in the Libyan colony and to transform the wandering tribes into agriculturalists is beginning to bear fruit. Evidence of this is afforded by the increasing number of children belonging to tribes who attend the Italian schools at the oasis of Hamada el Hombra. The nomad children will remain at the oasis during the school term and will be housed clothed and fed by the Italian gov

As we all know, the United States yound the expectation of the most To relieve Misery of COLDS The United States has approximately 21,000 printing and publishing es- recently occupied Iceland, and most sanguine and are developing into teof us thought Iceland to be what its totalists also, while many of us know of us thought Iceland to be what its totalists also, while many of us know name indicates, but in that country, well what ruin has been done the Labor difficulties account for no more than 1 per cent in the delay on dried prunes, or figs, into the apple and in the case of England, the Gulf negro race since freedom. Many of cantonment construction.—War Sec- mixture the next time you make apple Stream so affects the climate it is them learned in the school of exper- Try inhabitable.

Workers in Steel Mills Speak Own 'Language'

"The keeper says to turn the water off at the jumbo and open up that bleeder," suggests the kind of order that might be heard around the elephant run of a zoo, but actually it is the language of a steel mill. Translated into everyday English

by the American Iron and Steel institute, the order means "The man in charge of this blast furnace says to shut off the cooling system at the spout through which the molten slag runs, and open up that valve to relieve the pressure within the fur-

The colorful lingo of steel workers assigns special meanings to many common words, producing phrases unintelligible to most visitors to steel mills. Many of the devices and products of the industry are named after animals.

"Pig" iron, so called because a one time iron was cast into individual blocks by running the molten metal from the blast furnace into large trenches from which extended like a litter of suckling pigs, dozens of smaller trenches, has become a generally used term for blast furnace iron. A "sow" is the main trench from the furnace, while "motherless pigs" are blocks of iron cast into individual molds.

"Bears" are sometimes "horses" in the steel industry. both terms being applied to the infusible mass of cinder which forms on the blast furnace hearth. The "bug" or "fly" is the small ball of steel which usually forms on the nozzle of a ladle interfering with the pouring of a stream of molten steel.

"Goose eggs," sometimes called snow flakes," are small silvery spots visible when bars of alloy steel are broken. They indicate internal strains and tears. A "cat's eye" is a bubble of gas in molten crucible

"Monkeys," both long-tailed and short-tailed, "snakes" and "rat rails" are other queer names for various devices used in steelmak-

Tree Plantings Provide

The entire cost to the federal government field windbreaks in the Prairie States Forestry project is being kept to about 5% cents a tree or shrub, the forest service re- other two guests. ports. More than 42,000,000 trees in 4,500 miles of windbreaks have been planted at an average of a tree a preciation of equipment, seed collection, rodent control, and planting ously and her eyes widened. and care of about 70,000,000 seedlings and transplants now growing in nursery beds.

The government supplies the trees, labor, and supervision, and farmers invest an equal amount by furnishing the land, fencing mate-

work is carried by WPA funds and all labor is furnished from WPA relief rolls. Technical and administrative supervision is by the forest service.

The trees protect crops and soils for 20 times their height and modify the wind to some extent for a dis-

The 1939 plantings brought the total since 1935 to more than 127,000,000 trees in over 11,000 miles of field windbreaks on 20,000 farms in eastern counties of the Dakotas, central and western Nebraska, central Kansas and Oklahoma and the Texas panhandle.

Buenos Aires Racket With the arrest of four men in Buenos Aires, a racket that had for its object a large-scale fleecing of taxpayers has been broken up. The racketeers after establishing offices hired a staff of agents and equipped them with fake official notebooks bearing the national arms of Argen tina. Persons behind in their pay ments of inland revenues were interviewed. After inquiring the amount of capital each business worked with and how much the average monthly receipts amounted to, the agents offered to intervene in the settlement of the obligations, charging fees that ranged from \$5 to \$50. About \$3,000 had been collected before the racket was discovered and stopped.

Chalk Loses Screech

Remember when the bad boys in school used to give the teacher a nervous shock by producing a spineshriveling screech with fingernail or chalk on the blackboard? That noise is going the way of the hickory switch as a forgotten horror. A new type of blackboard known as optex, made of glass reinforced with wire, has a velvet-like writing surface which eliminates wear and tear on nerves in addition to reducing eye-strain through the elimination of mirror-like reflections.

Cowboy's 'Dogie' Dogie is the name given by cowboys to a motherless calf or to any ill-nourished, scrubby calf, and, as a term of contempt, to all cattle. The weak calves naturally lag behind the rest of the herd on a drive and must continually be urged for ward. Hence in cowboy songs the chorus frequently has a repetition of "Get along, little dogie," or "RoJ) along, little dogie.'

The negroes are being educated be-

Unwelcome Guests

By MARCIA DINSMORE © McClure Newspaper Syndicate. WNU Service.

MRS. MORSE wearily leaned to the open window. There was little enough coolness anywhere this midsummer weather. "Thank goodness,

the work's done!

rest before the

ripe." She peered

peaches will be

SHORT the works of STORY down the road.

"'Bout time for Homer-" The words died in her throat, as a rickety little car came into view around the bend. "People! Homer's brought visitors again!"

She watched as the five came toward the house. Four extra people to cook for in this weather. And strangers, too!

Homer's hearty voice boomed in the hall. "Come in folks! Mrs. Morse'll be glad to see you. Kinda lonesome for her out here in the country." Lonesome, with 12 working hours to the day!

He spoke to his wife hurriedly. "Met these folks in town, Hilda. Never been here before. Seemed a shame to send 'em to a hotel, so I brought 'em right along."

With angry, hostile eyes, Hilda surveyed the newcomers. A young man and his wife, quite evidently honeymooning. Her eyes softened as she looked at them, but her lips set grimly at the appearance of the other two. Men, probably on the sunny side of 40, who just escaped being shabby.

Homer's eye kindled. "And a bride and groom, mother! We haven't had a bride and groom here since Dick was married.7

Mrs. Morse spoke reluctantly. "They're all right, poor dears. But the other two! They might rob and murder us, for all you know." Homer shook his head comfortably. "Oh, no, they're nice people. Low-Cost Windbreaks I know they're nice people.

Supper was not a success. Hilda roused herself to be cheerful, in deference to the bride and groom, but her mind was always on the

The men had deposited their bags in the front chamber and Mrs. Morse went up in the evening to be minute in the planting season. This sure that everything was in order. cost includes investments in and de- Attracted by a glitter of something on the floor, she picked it up curi-

"Now I don't know what that is," she told herself, honestly, "but it certainly might pass for a burglar's tool." And in that moment her eyes were alight with sudden inspirations. She slipped the metal object into her pocket for future reference.

rial, and labor in preparing the land and cultivating young trees during the first few ears of growth.

Cost of the prairie tree planting had been slowly growing within her since Homer first appeared, she tiptoed into the front parlor, to the oldfashioned safe. With fingers that trembled, she fumbled the knob and found the combination finally. Into an improvised bag made of her looped up skirt she swept all the safe's contents, money and setance of 50 times the height of the curities, and, with little furtive glances behind her, stole upstairs and hid the lot at the very bottom

of her trunk. Secure in the assurance that these visitors would be the last, Mrs. Morse slept soundly and rose at her usual early hour. But, early as she was. Homer, gray-faced,

was up before her. "They're—they're gone, Hilda," he said, avoiding her eye. Mrs. Morse tied on her apron. "Who are gone?"

"The two men you didn't like. I heard a noise and came down. And -Hilda, they've robbed the safe!" The deep hurt in his tone made Hilda wince. "Gone!" she repeated.

"Oh, you needn't say anything. I've learned my lesson, I guess. I'll never bring anyone here again to pester you.

Puzzled Mrs. Morse followed him into the front parlor and stopped short. The safe was standing open, fairly taken apart by expert fingers. In sudden relief she remembered the little packet safe in her trunk upstairs.

"They were thieves, Hilda," said Homer dully, "and I trusted them." She looked at him. She realized all at once how much this meant to him, this betrayal of trust. His face looked gray and old in the half light. She laid a gentle hand on

his arm. "I played a trick on you, Homer," she whispered, "and I'm sorry. Everything is safe upstairs in my trunk." She choked suddenly. 'And you know, Homer, I like to have people come. It kinda keeps me from getting lonesome."

Growing Tea in the U.S. About 1880 the United States Department of Agriculture established a small tea-growing plantation near Summerville, S. C., and various varieties were raised in an experimental way. Later the plan was extended and the Pinehurst Tea Gardens were opened and further experiments were in Colleton county, South Carolina, and at Pierce, Texas. While it was found possible to grow and cure good teas, it was impossible to produce them in competition with the teas of China and Japan, cured by cheap Oriental la-

LIQUID TABLETS SALVE NOSE DROPS Oriental 'Archer' Fish Is Skilled Marksman

In the waters somewhere east of Suez lives a "shooting fish" that can give naval gunners a lesson or two when it comes to marksmanship. This strange creature known as the 'archer fish," lives largely on insects which it shoots from overhanging branches with bullets of water.

Even cigarettes have been extinguished by these marine sharpshooters, according to Hugh M. Smith, former Fisheries adviser to the Kingdom of Siam. During his stay in the East Mr. Smith studied these fish in the Philippines, French Indo-China, Siam, Malaya, Burma and India. "Wild fish planted in a large pond

in the compound of my residence in Bangkok were under close observation for a number of years," writes Mr. Smith in Natural History. "Of the oriental fresh-water fishes with which I am acquainted in the wild state, none gives such an impression of intelligence and efficiency as does Toxotes (the archer | pets, each dipping its pipe periodifish). This impression grows on an observer as he notes the purposeful way in which a fish moves about in a stream, canal or pond; the zeal and thoroughness with which it explores aquatic and overhanging land plants for insects, the high development of its sense of sight in both air and water, the skill displayed in dislodging insects and seizing them as they fall into the water, the alertness in avoiding danger and the readiness in adapting itself to life in small ponds and responding to the attentions of persons who provide food.

"A friend of mine, a distinguished scion of the royal family of Siam and an ardent student of fishes, had a residence on the broad Menam Chao Phya above Bangkok and used to entertain American and European guests with shooting-fish performances. A veranda on which he took many of his meals was directly over the water, and under it Toxotes could be found almost daily, attracted by scraps of fish, meat, chicken and prawn which were regularly thrown from the table.

Yale University Started By Harvard Graduates

The first movement leading to the establishment of what is now Yale university was a meeting of 10 ministers at Branford, Conn. Nine of these ministers were graduates of Harvard and therefore it may be said with some truth that Yale was founded by Harvard men. They ants, diligent skies scanners, have contributed 40 volumes for the library of the proposed college. An last six years recording their obact of incorporation creating a body servations with a little three-inch of trustees was passed by the Con- photographic telescope. necticut legislature in 1701. college was originally at Saybrook and removed to New Haven later. It was not at first called Yale, that name being given to it in recognition of a donation made by Elihu Yale, a childless London merchant, whose father had been one of the original settlers at New Haven. Cotton Mather, a Harvard man. and one of the most famous of all the Puritans, may be said to have named Yale. A letter which he wrote to Elihu Yale says in part: "If what is forming at New Haven might bear the name of Yale college it would be better than a name of sons and daughters. And your munificence might easily obtain for

Coyote Eating Habits

you such commemoration."

The coyote, usually considered an enemy of farmers and wildlife, is really not as villainous an animal as most people think, according to a report from the National Wildlife federation. In a recent investigation on the coyote's diet, mice, grasshoppers, beetles, grubs, angleworms, blueberries, apples, roots and herbs were found to be the chief items on his menu. Occasionally the coyote may dine off the carcass of animals killed by some other agency. Although many sheep and deer kills are attributed to coyotes, these deaths are just as likely to be due to stray dogs, says Herbert Lenon, a trapper instructor, with years of experience with

Quakeproof City

Quetta, India, which was almost leveled by an earthquake in 1935, when more than 40,000 people were killed, is now virtually quakeproof. Quetta's new buildings are composed of a series of boxlike structures, separated by expansion joints as a protection against weather changes. Even in the worst earthquake these joints might crack, but they can not break.

Swedish Hospitals Socialized medicine is an old in-

stitution in Sweden and one may there have the best medical care special government hospital appro- tio and dispersion of light. priation for those who have no money. In the capital, Stockholm, there are 18 government-supported large hospitals, 12 smaller ones besides clinics and only eight private similar institutions.

No Honking, Please

Horn hookers are on the spot in Spokane. Police Judge Frank Yuse has a distinct aversion to such practice. He fined C. L. Atkinson \$1 for each of three toots on his car horn and said Atkinson's desire to attract a friend's attention was no

A hardware merchant of Maxton invented this valve, which kept a pump point to keep back mud, so the two things, which he had patented, which he had a big pump manufacturing company make and sell, paying him a royalty on each pump, so he soon cough drops accumulated wealth—about \$5,000 "Rub-My-Tism," a wonderful liniment from that a year.

California Man Claims

'Bubble' Championship With a seven-foot soap bubble to his credit, Robert F. Warham of Oakland, Calif., who has specialized in soap bubbles for more than 20 years, believes he now holds the world championship for the biggest

Only one other man in the world, he declared, might possibly have blown a bigger bubble and that was an Australian who became rich at one time in his life by putting on soap bubble entertainments at a Vienna music hall.

The seven-foot bubble, lately blown by Warham, was big enough to have enabled Sally Rand to stage her own bubble dance inside, if it had had the necessary resisting qualities.

Bubble blowing is Warham's hobby and he has developed it to a point where he has perfected a machine, the only one of its kind which has 12 mechanically operated pupcally into the suds and blowing bub-

"The resulting symphony of bubbles," he said, "is fascinating to the eye as they dance and reflect without coherence the images about them.'

Warham first became interested in bubbles when he started blowing small ones for his amusement as well as for his neighbors' children. His interest grew, especially along the lines of blowing bigger and more bubbles at a time until he developed his bubble-blowing machine.

According to varying conditions, he can blow a myriad of small bubbles or those of the seven-foot type.

"Air conditions for making the big ones have to be right," he said. "If the air is dry, dust particles are quick to penetrate the microscopically thin walls and the bubble will burst,"

On dry days, in an attempt to prevent this, Warham puts a pan of steaming water under the growing bubble.

Warham hopes eventually to get on the stage with his bubble-blowing puppets.

Astronomer Describes

Movement of Tiny Stars J. J. Nassau, director of a Cleveland observatory, is able to describe how two stars whirl around each other 6,000,000,000,000,000 miles

Professor Nassau and his assistkept watch over 100,000 stars for the

The stars, discernible only as a single black pin point on a photographic plate, have been measured and gauged by the astronomers. They have determined their distances from the earth, the circumference of each star, the color of each, the intensity of light and their respective masses.

The stars are in the region of the Northern Cross. This is one of two sections of the sky the Case astronomers have been watching for the

Sometimes they are rewarded for their vigilance by the appearance of a new star or the explosion of a known one. They have discovered an unusual pair of stars called an eclipsing binary.

Each photographic negative is scanned with a microscope to determine whether any of the specks have changed size or whether a new dot has appeared.

'The Sailor's Friend' Samuel Plimsoll was known as "the sailors' friend." Through his occupation as a coal dealer he became interested in the condition of sailors, and the dangers to which they were exposed by unscrupulous overloading of heavily insured vessels. This induced him to enter parliament in 1868 as member from Derby. In 1873 he published "Our Seamen," which succeeded in its purpose of arousing public attention, and in 1876 the Merchant Shipping act, embodying many of his demands, was passed. Among its provisions was the load line known as

Tests for Diamonds

been marked on all ships.

"Plimsoll's line," which has since

The common test for diamonds is the file, which will cut imitations but not a real diamond. A drop of water on the face of a diamond, moved about with the point of a pin, will retain its globular form; immersed in water the diamond will shine and be distinctly visible. An aluminum pencil makes a mark on a real diamond that is easily removed by rubbing; on an imitation the mark remains after rubbing. These are a few specific tests; others are based for very little money. There is a on specific gravity, hardness, refrac-

> Fastest Growing City Los Angeles, Calif., is usually considered the fastest growing large city in the United States, as the following figures indicate: Population, census of 1920, 576,673; census of 1930, 1,233,561. This means that Los Angeles practically doubled her population in the decade from 1920 to 1930, a phenomenon which had happened in that city for the last three censuses. Los Angeles, by 1960, will have a population of 9,000,000, and will be the largest city in the world, if she continues to increase at this rate in the next three censuses.

