"Mad" Doctor Saved Millions

In the maternity ward of great Viennese hospital an alarming number of mothers were dying of puerperal fever.

"This is something beyond the science of medicine to remedy," Professor Johann Klein told the medical students. "We can do nothing about it."

It wasn't exactly a death warrant in those days of the nineteenth century for a woman to go for her confinement into that ward; but it was a hazardou venture. For of every hundred mothers who were confined there, twelve never left it alive

Professor Johann Klein was a vain and jealous man. If there were to be changes, improvements or medical discoveries they were to come from him. If they came from any other source, the professor mobilized hospital opinion against the in-

He did so when Dr. Ignaz Semmelweiss one day advanced a revolutionary theory. Dr. Semmelweiss made a startling discovery when a staff phyian, who had been working in

the dissecting room, got a cut in his hand. The wound festered, he ran a high temperature and Dr. Semmelweiss pondered this case. For the dead man's symptoms had been very like those of the mothers of the maternity ward who contracted

puerperal fever and almost ivvariably died of it. Along with him, as he did his rounds, went the carefree tribe of medical students. They examned the patients, learnt some thing, worked their way along

the ward . . . Dr. Semmelweiss saw the link. His colleague had died of a poisoned wound. He had got that poison while dissecting dead bodies. Something in the dead must have poisoned him.

The students went straight from the dissecting rooms to the maternity ward. Some of them washed their hands; some for-

"Gentlemen," he said next day, "nobody is to enter the maternity ward, whether he has been dis secting or otherwise engaged, until he has scrubbed his hands and arms in chlorinated lime

That was in May, 1847. Dr. Semmelweiss noted the mater nity mortality rate for that month; 12.24 per cent. At the end of the year scrupul

ously clean hands had saved some scores of mothers. The mortality rate in the ward was down to 1.27 per cent. Dr. Semmelweiss considered

this proof enough of his theory as he hurried to the office of Professor Johann Klein.

"But my good Semmelweiss," ded the vain little profesor, "are you telling me that all at we have to do is wash our hands to rid the science of medieine of its great scourge? Come

-this is ridiculous!' Wherever he went to whom could get no hearing. It began to prey on his mind. Women ould die by the thousand, by the hundred thousand, by million in the years shead all because they were poisoned by the contaminated hands of doc-

4.13

tors and students who touched

Dr. Semmelweiss became nuisance to Professor Klein and to his colleagues and a bore to

was sipping a coffee and brandy at a cafe table, he saw Dr. Semmelweiss walking down the pavement distributing leaflets. Somehow or other the saviour of mothers had to get his message across. If the profession arned from him, then perhaps

When he had finished reading the leaflet, Professor Klein hurried off to the hospital. He was furious. This was unprofessional conduct. It was madness.

ous ideas.

eft Vienna for his native Budapest and secured a staff appointment in the Pest Hospital, There he met with the same strange opposition. Nobody wanted the One day, when he had been in

charge of the great maternity ward for six years, Dr. Semmelweiss went to the chief physician. "In my ward," he said, "the mortality rate for mothers is now 0.85 per cent. Six years ago, t was over fifteen per cent!"

The chief physician did not rise and shake Dr. Semmelweiss's hand. He simply did not believe that this vast saving of mother's lives had been due to so simple a cause as clean hands in place of dirty ones in doctors and

germs in the bodies of the dead that killed the living. But he did

see plainly cause and effect dirt and death. Thus, once again, Dr. Semmel weiss found himself written off

after his death that his great discovery came to be adopted. Gradually, the thought of the millions of unnecessary deaths preyed more and more on the mind of Dr. Semmelweiss as ne wandered about the crowded main thoroughfares of Pes

ne finally lost his reason al

NOT SO CLEAN SWEEP

simply followed the broom marks to the door of the house where the thieves had fled with their booty and arrested them!

It often shows a fine command



One day, while Professor Klein

the public would understand.

The next day he sent for Dr. Semmelweiss and suggested to him that it might be as well if he sought another hospital where he might propagate his ridicu-That night Dr. Semmelweis

students. Today the stupidity of this failure to see the obvious seems more astonishing because, since that time, the work of Pasteur and others has isolated germs in decomposing matter nad shown the part they play in spreading disease. Not even Dr. Semmelweiss understood that it was

as a crank.

And, in fact, it was not until

handng out his leaflets. He became known as a crank. And as though to justify those who barred his path to progess,

After robbing a Detroit store of beer, wine and cans of assorted meats, the three thieves responsible realized that they would leave tracks in the snow. Taking a broom from those on sale in the shop they carefully swept away their footprints as scene shortly after the robbery



NC. I IN THEIR HEARTS - The people of Medellin and the Antioguia district of Colombia have a soft spot in their hearts for this little iron horse. The diminutive 0-4-0 served Colombia's railroads from 1875 to 1928 and has since been mounted on a pedestal in Medellin. From its perch the tiny teakettle surveys a new era in Colombia's railroading, as the country nears completion of a modern rail system which links all its major

Hazza & clane Andrews.

A memorable dessert which recommended especially for teen-age get-togethers is apple Banbury tarts. Serve them warm for best taste. This recipe makes 2½ dozen. APPLE BANBURY TARTS

2½ cups (1 can) sliced cooked 1 can (4-ounce) shredded coconut cup currants

l cup sugar

1 egg 2 tablespoons butter Flaky pastry Thoroughly drain apples; combine apples, coconuts, currants, sugar, lemon rind and

to apple mixture. Roll out pastry 1/8 inch thick. Cut in 4-inch squares. Place a little apple mixture on each square. Moisten edges of pastry with water; fold to make triangle. Press edges together with tines of fork. Make slits in top for steam escape. Bake at 425° F. 15-20 minutes.

bites for teen-agers is apple en. They're guaranteed to disappear fast at a party

4 tablespoons shortening

3 eggs 5 cups sifted flour 4 teaspoons baking powder 1 teaspoon salt 2 teaspoons each, nutmeg and

The big boom - for heating as well as lighting — came in kerosene. Pioneer refineries also supplied paraffin to candle makers, oils for textile mills, and cooked apples (canned) greases for horsecars.

Then up chugged the motor buggy and Thomas Alva Edison came forth with the electric light and it was lights out for the Kerosene Age. In 1911, for the first time, refineries produced more gasoline than kerosene. Suddenly, in a jet age, kerosene is whooshing along in a comeback. It's still the light

and fry.

colorless liquid that also answers to such names as coal oil, carbon oil and - in Great Britain - paraffin oil. Humber Oil & Refining Company, in one of its current publications, tells of the bright new prospects for old-timey kerosene.

CREAM PUFFS 2 cup water 3 eggs

2 cup sifted all-purpose flour 4 teaspoon salt Bring water to boiling point in saucepan; add butter; stir until melted. Bring to boiling point; quickly add all of the flour and salt. Cook, stirring constantly, about 2 minutes, or until mixture forms smooth, compact mass. Cool slightly; add

each. Beat 5 minutes, or until mixture is thick and shiny. Using tablespoon or pastry bag, immediately shape dough 2 inches apart on greased baking sheet in mounds 21/2 inches in diameter. Bake in very hot oven (450° F.) 10 minutes. Reduce to 350° F. and bake 20-25 minutes.

. . . As a change from the usual custard-cream filling, here is a recipe for an applesauce filling which has been worked out especially for you.

APPLE SAUCE FILLING 14 pound marshmallows, diced 2 tablespoons chepped maraschino cherries 2 cups canned apple sauce

1/2 cup heavy cream Stir marshmallows and cherries into apple sauce. Beat cream

burning off prickly pear spines, fueling machinery.

"It also is serving humanity in number of versatile new ways. Highly refined versions of kerosene are being used as dry-clean airplanes over the Arctic Circle. powers batteryless transisto radio sets in the Netherlands and cools refrigerators in Afri-

By AILEEN SNODDY

NEA Staff Correspondent

NEW YORK -(NEA) - Space

will be the big thing under 1958's Christmas trees. But in

winning a child's fancy ad woo-

ing a parent's purchase, it's a

toss-up between outer space and

the old - fashioned western

That's how the toy buyers

who anticipate no recession in

their industry, see the Yuletide

picture nine months in advance.

They base their forecast on the

10-day American Toy Fair in

ed young visitor neatly covered

Confronted with the vast crop

of new toys, this lad glued an

eye to a \$14.95 educational tele-

scope for a quick peek at the

he looked, he kept one hand

clasped on his trusty six-shooter

current events, toy-maker Al Gil

birth of new gadgets.

It's simply that toys reflect

bert Jr. says in explaining the

"When a new weapon is an-

New York, where a highly flush

both sides of the prediction

variety.

mistresses.

tower or tent.

a while anyway.

For little girls who has

thing an East Coast

wrapped a doll carriage

happy, there is a dynami

is the serious world of

Highly competitive.

and women in the toy wor

secure in the thought that

dren always want toys to

Even TV viewing can't

playtime, according to the dent of the Toy Manufa

ated a demand for new to

The toy manufacturer

thusiastic about 1958 sales. Robert Muessel says. As a

tion president he keeps on the pulse of the one a half billion dollar industry

employs 70,000 persons.

"We are stepping up pi

ion in our South Bend;

Muessel said indicating in

dustry's reaction to the a

recession

facturing.

But behind the spar &

that "blows up every

ANCHOR'S AN Proud of his achie Hanks invited a count Gardening Over to enjoy the maide

home-made 12 ft. din After cruising arm We are apt to spell off Cape Jervie tralia, they threw the 7-1b. anchor overhoard gry shark promptly to for over a mile befor Satellites, Sidearms Top Toy Outh built a fine new temple at Luxo about 1570 B.C. A fleet of ship

> Little Mother can set as British Son a portable sewing me brought back pl a portable sewing man b Dolls themselves are up, averaging about eight The main pur and one firm has joine with a pattern company due course the dolls' dresses are twins The world in ministr The world in mining has a new home — have been identified with the frame affair that goes have been identified with the Boswellia, that still grows in the land of Punt, whose characteristic properties of the land of Punt, whose characteristic properties are still put to the things as a zoo, com same old uses as in the days when Pharaohs ruled supreme. In the dry state it is known as up, pegboard play tiles sets, a shooting gallery nse" and is used in rewith cork bullets, robe ligious ceremonies, and when softened by boiling in oil is used and an electric shave

will keep the kids ham as pitch for caulking ships. About one hundred and fifty years later another Egyptian monarch left a record that amfor a \$3,000 surprise.

And if that doesn't he appy, there is a dynam brought back from a successful nst the Assyrians, were ew and rare plants, ining a variety of Vine, a sgranate, and a Water-Lily. giving a raucous cry. He is also very polite and

old tradition that ale Yellow Persian Rose the tree that we know as onlar were brought soldiers of Alexanon their return ng account of her hobby, "I ersian Wars. Watch and Listen". the days of chivalry, re was at its lowes its returning from the

were stolen and replaced by hen's eggs. When the chicks were les did not forget their walls of lonely casof the gaily coloured of southern Europe Levant came to us about female, evidently discussing he case. She was then torn to pieces One of the first is the and the nest destroyed. let Ranunculus of Pal-In the second case, near Berlin spring gardens, said to en brought back by Louis rance to his mother

> specting it, the male flew around the nest with loud cries, disappeared. On the fourth day the inmater of the house, disturbed by loud cries coming from a field fronting it, saw nearly 500 storks

mass meeting. When he'd finished, another came forward to address the assembly. This proceeding continued with a succession of birds, then the whole court rose into the disgruntled mate - struck her three or four times, knockand the nest were then des

> TYPIST THOUGHT SHE WAS TOUCHED

Recently Miss Margaret Light foot, a shorthand typist employ ed by a bank at Ladysmith, Natal, pulled the dust cover from her typewriter and prepared for work. Her eyes popsome of the typewri keys were moving by them-





Answer e sewhere on this page.

Blanche of Castile, who had famous garden about the middle of the thirteenth century. . . . As with the gardeners of to-day the medieval monks were

always willing to pass on seedlings, slips, grafts or pungent roots to friends and to fellow en-thusiasts. Varieties of special virtue or of religious significance such as Madonna Lilies, the gaily coloured Anemones from the Land of the Holy Cross, or Snowdrops . . . were carried far and wide over the whole of Christendom in the wallets of palmers and wandering friars, to be given as an appreciation of the hospitality that was always so freely

So it has been down through the changing centuries, our gardens have been enriched by men of every walk of life, wander and stay-at-homes, parsons and pirates, all have worked together to increase the variety of our cultivated plants and the beauty of our gardens. - From "The Coming of the Flowers," by A

Careless Stork **Hatched Gosling**

Few actresses become bird-watchers, but that is Miss Nancy Price's hobby around her Sussex home and when she travels

In Norway she studied the stork's habits, and found that in wooing, he first bows elaborately, then proposes by placing his long bill over his back and

courteous after marriage, but has strictly moral ideas on how a wife should conduct herself. She quotes two astonishing stories of this morality, relate by Bishop Stanley in a fascinat-

All the eggs from a stork's nest hatched the male vanished for two or three days returning with a number of other storks, who gathered in a circle round the

two storks made their nest on the chimney of a house, the owner exchanged eggs when the mother stork was careless enough to let him do so, and a gosling was hatched. After in-

standing close, together, apparently listening to one facing the

the air uttering cries and flew towards the female in her nest. Finally, one bird - evidently ing her out of it. She, the gosling

Miss Lightfoot pushed chair back, firmly believing that some ghostly typist was at the machine—then she saw trying to rear its head under the typewriter keys a dangerous yellow snake! One of the bank staff coaxed the snake out and d patched it.



as Mr. Davis sees it. This has More and more the

"self-help" is bobbing up in meetings where the economic troubles of agriculture are under discussion. Farmers them-selves are using it. The big government programs have been tried and found wanting. Sur-Now when farmers and their economic advisers gather in

meetings like one held recently by the National Farm Institute of the Des Moines Chamber of Commerce they consider new approaches. They ask questions: Can farmers, by banding t gether in strong commodity orizations, such as those of wheat growers or swine pro-ducers, bring the earnings of agriculture in line with those of business and labor?

Can they enlarge their domestic and foreign markets by improving the quality of their products and adapting them to the tastes of their consumers? Should government programs be redirected to encourage self-

help? . Many farmers and farm leaders, of course, are still ardent advocates of parity price sup-ports. Even the self-help people think government farm pro-grams should be maintained for the present. But with greater frequency now you hear a different note. Here, for example, is Marion Steddom, an Iowa hog farmer, speaking at the Des

Moines Institute: "There has been a drastic change in the thinking of farm people in the past few years. The change is from an attitude that government farm programs would eventually solve our problems to a conviction that we must solve our own problems sooner or later.

"We are seeing commodity groups being formed for the sole purpose of developing a self-help program for a particular industry. Future government programs should be devised to ssist activity of this kind, with a goal of making these programs self-supporting."

As noted before, this does not nean that advocates of self-help programs want to scrap price supports and other forms of overnment aid immediately. Even conservative economists think this would be extremely unwise.

One speaker in the Des Moines group who called himself a "free enterpriser" went so far as to say that anyone who would advocate ending these government programs before adjustments were made was either "naive or deceitful." . * heavy sur pluses hang over the market,

the government must continue to support farm prices and help agriculture make adjustments, it was generally agreed. "Use the present programs to buy time in order to get a more fundamental solution to the farm-income problem," advised John H. Davis, director of program in business and agricul-ture, Harvard Graduate School of Business Administration, and a former president of the Com-

modity Credit Corporation. Mr. Davis is one of those who believe that agriculture and the nation as a whole have much to gain from stronger producer organizations. He says that the marketing structure of agriculture has for many years been lagging behind the production structure which has made giant trides. Farmers have been prolucing more corn and wheat per acre, more hogs for a given amount of feed, more milk per But at the same time, farmers have lost control of marketing,

FELING SHEEPISH—Just a few friends and relatives of this ewe stood around after it got its head stuck in a bucket on a ranch and frightened off the rest of the herd of 2,000. Owner Rod Johnston soon rescued the "monster" from the unhappy pre-

THE FARM FRON by John Russell

been taken over more and more by large business organizations not connected with the farm. The two functions, production marketing, have become pro-gressively more and more out of gear. The result has been to weaken the farm writes Dorothy Kahn Jaffe in The Christian Science Monitor.

Now it appears that big changes are under way. Tech-nology is forcing a closer linkage of on-farm production and off-farm marketing, with offfarm capital often financing the operation and calling the tune. (This is known as vertical integration.) The farmer may lose his right to make decis What to do about this trend?

"The proper course is for far-mers to band together so that they can take the lead in market improvements, develop-ments, and expansion, even when this involves integration, says Mr. Davis.

. . . Farmers have already done great deal for themselves through their big cooperative marketing associations and commodity organizations. But according to Mr. Davis, they have not done as much as is needed. They must invest more in their organizations, he says. They should dig down and pay salaries for top management competitive with those offered by the big industrial corporations. They need to spend freely for research and promotion their products. They must fl nance "verticle integration."

While not many com organizations are as yet doing the job Mr. Davis envisions, some are really pointing the way. Speakers at the Des Moines Institute reported cases. One was that of the vigorous young soybean industry. It has increased production 2½ times from its already expanded output of World War II days, yet it has been able to develop markets to absorb the output.

George M. Strayer of Hudson, Iowa, executive vice-president of the American Soybean Association, told how it was done. The soybean people promoted the use of protein feeds for livestock, a feed which has a soybean meal base, and great-ly increased its use. Then Mr. Strayer went to various European countries and Japan and

set up industrywide promotion offices in those areas.

Result: The industry exported 90,000,000 bushels of soybeans last year and enough soybean oil to use up another 175,000,000 By Rev. R. B. Warren, B.A., B.D. shels, or more than the industry's total production during World War II.

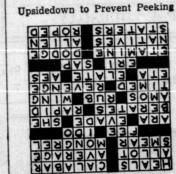
Other commodity groups have made export markets for them-selves. Mr. Strayer said that Oregon has no wheat surplus today, because the Oregon Wheat League sold the rice-eating Japenese on wheat as a food. Of course, the government has helped these commodity groups with Public Law 480, which permits acceptance of foreign cur-

This is, in fact, the kind of government aid the self-help school favors. Farmers who took part in these discussions at Des Moines left with plenty of information to take home to their farm organizations. They could use it, because a great many farmers appear to be still hopeful that parity price support can solve agriculture's problems.

BIRD SPOTTERS FROM SPAIN In the days before shotguns, when game was caught in nets or brought down by hawks, the birds were first located by dogs known as "sitting" or "setting" spaniels. These spaniels, which came

from Spain, were the ancestors of our present day setters. There are three varieties of the breed, English setters, Irish setters and Gordon setters. It is not known which variety is the oldest, although they all came originally from the same spaniel

Setters were mentioned name as long ago as 1570. The name comes from the word set, which means to stand rigidly and point on scenting game.



the power that worketh in us, unto him be glory in the church by Christ Jesus throughout all ages, world without end. Amen. Ephesians 3:20-21. How many blessings we miss if we do not meet with the believers on the Lord's Day! What a long week of torturing doubt must have been until Thomas was with the disciples on the following Lord's Day when the

The Church's Assurance

John 20:26-29; Ephesians 1:15-28

Memory Selection: Now unto

him that is able to do exceed-

ingly abundantly above all that

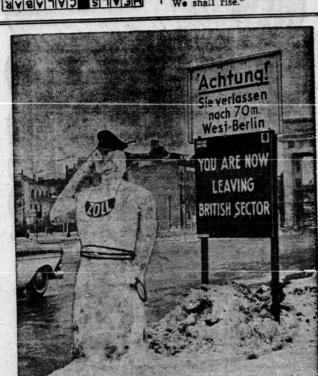
we ask or think, according to

Lord appeared to them again. The best we can say for Thomas is that his was the scientific attitude when he said, "Ex-cept I shall see in his hands the print of the nails, and put my finger into the print of the nails and thrust my hand into his side, I will not believe." No hearsay for him. But Jesus did not commend his attitude. There was more than caution in Thomas; there was unbelief. There is note of reproof in the words of Jesus, "Be not faithless, but believing" and "Because thou hast seen me, thou hast believeds blessed are they that have not

seen, and yet have believed." The resurrection of Jesus Christ is the greatest of all miracles. This was not just re-suscitation. Before Jesus took his body again, he glorified it. It was no longer a natuhal body but a spiritual body. Jesus had borne the image of the earthly; He now bore the image of the heavenly. It is an amazing demonstration of the exceeding greatness of the power of God. The same God, through the saerifice of Jesus Christ, is able to forgive our sins and give un victory over sin in this present

The resurrection of Jesus Christ is the assurance of our rising from the dead. We confidently sing:

"In the resurrection morning When the prison bars are broken We shall rise, Hallelujah, We shall rise.'



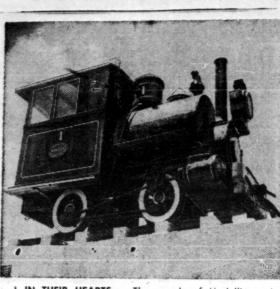
COLD COP IN COLD WAR - Built by West Berlin children, this snowman represents an icy-faced customs officer checking notorists crossing the border into Communist East Berlin. The word "Zoll" around the figure's neck means "customs." The German sign reads: "Attention! You leave West Berlin in 70 meters." In right background, within the Eastern Sector, is the Brandenburg Gate.



TRAIN WRECK-This aerial view shows the Southern Pacific streamliner "Cascade" after it was wrecked on a mountain near Kla ath Falls, Ore. Sixteen passengers were hospitalized and 20 others suffered minor injuries



BAPING TO SAFETY-Miss Maude 1. Campbell, 63, is shown emping into a fire net from her fourth floor apartment during a general alarm blaze in Scranton. She was injured when she had the net and taken to a hospital. Moments later, another weman leaped to her death from a third floor window. The fire was called by veteran firemen the worst the city had ever



until stiff; fold into apple sauce mixture. Split cream puff shells and spoon in the apple sauce filling. Place on serving plate and sprinkle top with confectioners' sugar

* * * Cream puffs may also be filled with sweetened whipped cream, berries, or a stiff custard filling. If you like them iced, use chocolate frosting on those filled with whiped cream or custard. lemon, grated rind and juice * * *

Here's a helpful wrinkle:

when you need to wrap cake in

waxed paper, sprinkle or rub the

with 1 tablespoon water) shape,

Kerosene lighted the lamps of

the world as the first major prod-

uct of America's oil industry

in the late 1800's. In the early

days the refiners threw away

pesky product known as gaso-

"Jets and kerosene go together

likt race horses and oats," re-

counts Humble. "Big commer-

cial airliners scheduled for deliv-

"Coal-Oil" Does

A Come-Back

paper with powered sugar and the icing on the cake is less likely to stick. juice. Beat egg; add, with butter, . . . Got some leftover ham? You can use it wisely and well in ham croquettes. For four servings, you'll need about two cups of ham to one of mashed potato, plus seasonings and a tablespoon each of chopped onion and parsley. Dip in a beaten egg (mixed

. . . Another treat of delectable doughnuts. This makes 5-6 doz-

APPLE DOUGHNUTS 1½ cups sugar

cinnamon cup milk

cinnamon sugar Cream together the shortening and sugar; add eggs, one at a time, beating after each. Sift together dry ingredients; add alternately with milk to creamed mixture. Cut apples in small pieces; add. Mix well. Drop by oons into deep fat, heated to 375° F. Fry 3 minutes, turn-

ing once to brown all sides Drain on absorbent paper. Roll in sugar. . . . There is now a cream puff mixture on the market which you may want to try, but if you

prefer making your own, try his recipe. It makes 8 or 9 puffs.

ery next year have an insatiable thirst for this early-day illuminant, gulping up to 2,400 gallons an hour while in flight. Even idling on the runway, they burn 700 gallons an hour. . . "The United States military, biggest consumer of aircraft fuels, took its last big piston plane last year. Commercial airlines will receive their last ones this year. From then on, jets more than likely keroseneeggs one at a time beating after powered - will rule the skies." Today, the leading jet fuel is known as the JP-4 type. It contains 30 per cent kerosene and

> the commercial jets that the American public soon will fly may prefer an all-kerosene fuel. "Also, when supersonic planes of the future arrive," notes Humble, "kerosene may be a choice because of its lower volatility." (Even missiles can use kerosenetype fuels for their first-stage propulsion.)

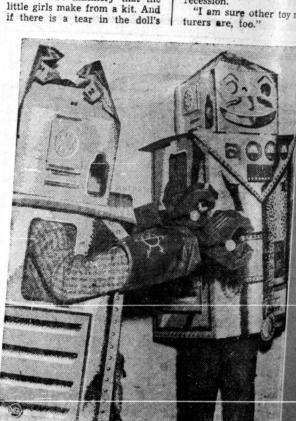
70 per cent gasoline. However,

stoves, and light millions of lamps. Humble sums up the various roles of coal oil; "Kerosene is still an essential of farm life in many countries, Besides giving light and heat, it warming chicken incubators,

In far corners of the earth,

meanwhile, kerosene continues

to heat homes, fuel cooking



EYES ON THE MOON — Two youngsters at ine Toy Fair up a junior-size telescope for a look at outer space. The

power scope can track satellites

iounced, it almost immediately

becomes a toy. Children were

bored with space helmets before

"When Sputnik went up, space

and rockets immediately began

Young Galileos will welcome

planetarium, charts telling

reveal worlds on other planets.

Spinning satellites, mobile rocket

launchers and other missiles con-

tinue the trend in scientific toys.

rather spin a curl for dolly than

a Sputnik aren't overlooked. They

can set up a beauty parlor with a new set that includes a running

Topping the wee lady's coif-

fure will be millinery that the

water tap and a hair dryer

But little girls who would

m of the stars and games that

to orbit on the toy horizon."

half their parents ever found out

what they were," he says.

stations, flying saucers, s

EYES ON THE EARTH - Junior can dress up like a mechani man and pretend he's just arrived from another plune these "men of steel" outfits previewed at the toy fail.