

CLEANEST, EASIEST, SAFEST
Way To Rid Your Place Of

MICE

d-CON® MOUSE-PRUFE is so clean, so easy to use. You just pull tab, and bait feeds automatically. You never touch a messy, "germy" trap. Best of all, MOUSE-PRUFE, used as directed, is safe to use around children and household pets, yet is guaranteed to keep your place mouse-free—or your money back! Mice hungrily eat MOUSE-PRUFE—can't resist the special, patented-process formula, eat themselves to death—painlessly. Get d-CON MOUSE-PRUFE!



DeWitt's COUGH CONTROL MEDICINE CURBS COUGHS

with Safe d-Methorphan
• SOOTHES DRY • ACTS ON COUGH THROAT CONTROL CENTER
• LOOSENS • PLEASANT PHLEGM TASTE
For coughs caused by common cold. Two strengths: ADULT and CHILD.

DeWitt's COUGH CONTROL MEDICINE Don't Cut Corns Calluses, Warts Use New Magic Rub Off

Thousands of sufferers from laming corns, calluses, and common warts now report astonishing results with an amazing new formulation that rubs them off painlessly and safely without danger of infection from cutting, acids or abrasives. Secret is a wonder-working medicated cream called DERMA-SOFT that softens and dissolves those tormenting, hard to remove growths so that they rub right off, leaving skin silky smooth and soft. So don't suffer another minute. Get DERMA-SOFT at all drugstores.

PHOTO CREDITS

Page 12: The National Foundation.

GIRL SCOUTING
SERVES THE FUTURE

GIRL SCOUT WEEK
MARCH 10-16, 1963

BACKACHE & NERVE TENSION
SECONDARY TO KIDNEY IRRITATION
After 21, common Kidney or Bladder Irritations affect twice as many women as men and may make you tense and nervous from too frequent, burning or itching urination both day and night. Secondly, you may lose sleep and suffer from headaches, backache and feel old, tired, depressed. In such irritation, CYSTEX usually brings fast, relaxing comfort by curbing irritating germs in urine, acid urine and by analgesic pain relief. Get CYSTEX at drugstore. Feel better fast.



Quips and Quotes

Mutter at a Movie

I do not mind when they grope through
And crunch my toes (with cleats!)
And knock my spectacles askew
To take adjacent seats.

No, here's what makes my language blunt:
Five minutes pass, or ten,
And then they spot some seats down front,
And here we go again!

—George Starbuck Galbraith

These days the most effective way to diet
is to eat only what you can afford.

—Anna Herbert

There's a rumor that Russia has a new
weapon which can wipe out the entire
United States without firing a shot—
they've got a poison glue to put on trading
stamps.

A group of New York financiers
sent one of their members to Holly-
wood to pick a new head of the
movie studio they owned there. He
was instructed to select an execu-
tive who could bring organization
out of its chaotic financial condi-
tion, and his return was anxiously
awaited because he had picked a
totally unknown minor officer.

"It was like this," the financier
explained to his colleagues. "All of
us were visiting the set of a circus
movie when one of the lions es-
caped his cage and started stalking
around angrily. Well, the way this
man reacted, I knew he was execu-
tive caliber."

"He rescued somebody?"

"No," the financier replied,
"while everybody else was scream-
ing and running around, this man
calmly walked into the empty cage
and locked himself in."

—James Shurlock

A little boy had just heard about
all the satellites and missiles we
have been shooting into space, and
he seemed deeply disturbed. His
father asked him what was wrong.

"I think we're making a mistake
shooting things at Venus and
Mars," he replied. "They're liable
to get mad up there and stop send-
ing us pencils and candy bars."

—Frances Benson

"It's my wife, doctor," the man
told a psychiatrist. "She's abnor-
mally softhearted—why, she cried
the other day because a dog had a
broken leg."

"Well," said the doctor, "that's
not unusual. Many women might
cry over a dog with a broken leg."

The man shook his head. "If the
dog is in a box of animal crackers?"

—Hugh Burr

MEDICINE'S FIGHT

(Continued from page 13)

which can be treated is pseudoherma-
phroditism. This produces the carni-
val's "half man, half woman" or
"bearded lady"; more commonly, fe-
male infants with this condition are
reared as boys, despite their physical
inadequacy. Ordinarily, the pituitary
and adrenal glands work in conjunc-
tion to maintain hormone balance.
When the adrenal gland fails, how-
ever, an excess of male hormones re-
sults. If the baby is female, she will
grow up with bass voice, beard—in
other words, with male characteris-
tics so pronounced her life will be
a freakish nightmare. It is avertable
now because, having learned what
went wrong, we can inject adrenal
hormones into the infant and do what
nature has not. Surgery corrects any
physical malformation, and there are
now cases where girls with this dis-
order have grown up normally and
had normal children of their own.

What caused the adrenal gland and
liver to go wrong? One theory for
PKU brings us to the foundation of

all living things—the nucleic acids
DNA (deoxyribonucleic acid) and RNA
(ribonucleic acid) which brought
1962 Nobel Prizes to the three scien-
tists who discovered their molecular
structures.

DNA is believed to contain the
"code" which tells cells how to mul-
tiply, whether into bone, fingernail,
or muscle; RNA takes the messages
and generates the conversion of
chemicals to living protein. In PKU,
the theory goes, the DNA code is off,
and cells are commanded to form an
organ which functions incorrectly.

BEFORE such theories can be proved,
and before we can hope to con-
trol our heredity, we must be able to
read the code within DNA. Already
two U. S. doctors, J. Heinrich Mat-
thaei and Marshall W. Nirenberg,
have taken the first step by reading
one code word—the instruction for
making the important amino acid,
phenylalanine.

Further knowledge of DNA also
has led a scientific team to correct the
heredity of an imperfect human cell
for the first time. Drs. Wacław and
Elizabeth Szybalski of the Univer-
sity of Wisconsin took bone marrow
which failed to make a necessary
enzyme; when the cell split, it pro-

duced other flawed cells. The doctors
fed the flawed cell perfect DNA.
When the cell multiplied this time, it
passed on a cell with a perfect DNA
code for further development.

So great are these new avenues of
research that the Columbia-Presby-
terian Medical Center, with which
I am associated, has undertaken a
campaign to raise \$50 million in de-
velopment funds. A major portion
is earmarked for a substantial in-
crease in its research program and
the rest for projects which will sup-
port this effort directly or indirectly.

The late Dr. Thomas M. Rivers,
medical director of the National
Foundation, which also is carrying
on extensive research on birth de-
fects, put our hopes this way:

"In recent research, man has
moved closer to the core of the mys-
tery of life than through all the cen-
turies that lie behind him . . . It is
not too much to expect that some
day man will manipulate the nucleic
acid in the cells of intact living
bodies. When he can do that, he can
determine, to some degree as yet im-
measurable, what kind of human
beings will inhabit the earth."

This is the ultimate dream, of
course, and a far-off one. But it is
coming closer.