$\$ 250,000$ Gadget

## Coming: One New

## Planet Projector



Sulie SUBJECT-Brion Bedford attempts to get his date

 | Uhtersal pitcture |
| :---: |
| Theeater in Dumam |

## PART TIIIE WORKERS NEEDED DURIIIG - BREAKFAST ANDLUICH SEE MANAGERS AT <br> $\star$ Pine Room <br> $\star$ Lenoir Hall <br> $\star$ Monogram Dining Room




## Some Lucky Stud

## Will Win A 'Pad'



## Math Easier For Kids

## Thanks To Pinball


now playing


VaUGH



Research In Genetics
May Make 'Supermen'

## $\begin{array}{ll}\text { By RaLPH DIGHTON } & \text { the promised ability to contr } \\ \text { AP Science Writer } & \text { what we are made of coun } \\ \text { Would you like to be able- lead to a race of men invulne } \\ \text { Wable to radioactive fallout. }\end{array}$ Would you like to be abre, To grow a new heart, brain, kidney arm or leg whenever

 Kidney, armyou need it?
To grow gills To grow gills and live in the
ocean or wings and fly with
the birds? To explore other planets in a
strange new boyd adapted and
made impervious to the most strange new body ado the mos:
made impervious to the
hostile environment?
Those are some of the more Those are some of the more
exciting possibilities scientists
believe have been opened for exciting possibilities scientist
believe have been opened for
the human race through re the human race through
cent advances in genetics.
There is a grim side, There is a grim side, too
The same advances oonceiv-
ably could be used to turn men ably could be used to turn men
into a race of salves wh os e
thoughts and emotions are preinto a race of salves whose
thoughts and emotions are pre-
determined through genetic determined through genetic
Einkering.
Eminen scientists - men
suchine such as Dr. Melvin Calvin o
the Lawrence Radiation Labo the Lawrence Radiation Labo-
of California and Dr. Ray
ond Owen, chairman of the Biolo-
gy Dvision of the California
Institute of Technology - alInstitute of Technology - al-
ready foresee a need for deci-
sions arising from this new sions arising from this n
trend in research.
OPPOSITION CERTAIN Genetic tinkering is almos
certain to generate opposition certain to generate opposition
-from environmentalists who
believe the way to improve man is to improve his env
onment, not his heredit onment, not his heredity;
from religious leaders who be-
lieve the human form exists tolieve the numan form exists to-
day as it was created orignal-
ly by God and should not be
$\qquad$ heredity
It deals with genes - from
a Greek word meaning "40 give birk word meaning "and how they
contror growth, using patterns handed down from generation
to generation. Although incredibly tiny -
every human body cell has an
estimated 150,000 of them in its nucleus - genes are the most powerful living force yet
found.
Genes Genes control the manufac-
ture of protein molecules, the
building blocks building blocks of life. And
now science has learned that
genes themselves can be. conThus man eventually may
te faced with deciding whethbe faced with deciding wheth-
er he wants to go on looking
and tinking oike his ance-
tors or whether he wants to
be something completely
$\qquad$ When will this brave new
genetic age" come to pass? "genetic age" come to pass?
Authoritative estimates va-
ry from a generation to a century.
Elementa Elementary efforts at ge-
netic tinkering, altering the genes of loweri life forms, have
already succeeded. Heat, X . rays and drugs have changed
the offspring of bacteria and even insects so that they are In the past 10 years, biologwhy they are able to cause
these changes, or mutations. Ahead lies the task of umder-
standing how to control $t$ he changes, to make sure that
mutations which occur are de-
Tinkering with tenes can
bring great peril as well as great benefit.
THOUGHT CONTROLLED Scientists are confident that
not only the shape but the ver thoughts of shape but the very
trolled genetically, be controiled genetically, by pred-
termining the structure and
function of the organs that What if, in the not too dis-
tant future, some nation set out to breed a race of war-
moving supermen while the
United State was breeding peaceful intellectuals?
Such a situation probably
is several is several generations dis
tant; and man may have im
proved himself proved himself enough genet
cally to meet it with wisdom
But there closer at hand.
The recently learned skill transplanting kiarneys skill of
planting antificial hearts im-
createl created a small furor over the question. Should ability to pay
be the primary factory in de-
termining who at extended life? Geneticists believe the
some day will be able to re
lieve the current shortage human "spare parts." They
would take a bit of healthy
tissue instance, and diling heart, for
to grow a whole new easily transplantable heart in-
to the patient because the pa
tient's body would its own flesh wauld blood
SPAR
But even PARTS
 in genetics - discovery that in genetics - discovery that the casos, almost - came inulane
ously with amother great sci-
entific discovery: The unleash ously with another great sci-
entific discovery: The unleash-
ing of the forces of the atom. "Atomic" has become, a
household word. "Genetic" is
destined to becomen
$\qquad$ planting would recuire consid-
erable skill and efffort.
Serious question arise.
Wht kinds of people will be
worth this trouble? Scient Politicians? Clergymen? Phy
sicians? White collar work household word. "Genetic" is
destined to become one.
There are many scientists who belive that cracking the
genetic code, learning the tan-
guage of life, is at least as
vital to mankind as cracking
$\qquad$ enetic code learricking the Loaded with suage of life, is at least as plose. the coming could rip goceetic ex ex
vital to mankind as cracking er apart than a hydroge
the atom; perhaps more so

Please don't zlupf Sprite. It makes
plenty of noise all by itself.


