### Jet Expert Plans Plea Made To Fire Missiles By McCarthy Into Outer Space

PASADENA, Calif. (A)-Inscoverer of supernovae, the violent explosions in which stars destroy themselves, a scientist will be ready in a few months to fire missiles from the earth into space that will never return. He is Dr. Fritz Zwicky, astrophysicist of the California Institute of Technology and the Carnegie Institution in Washington, and one of the mation's top authorities on jets and

scientists as well as by Dr. Zwicky, have demonstrated that a certain kind of explosive, shaped in a certain way and lined with a thin sheet of metal, can produce missiles of such terrific speed that they will leave the earth and go on in definitely into space.

This requires a projectile speed of at least seven miles per second, or 25,000 miles an hour. Speeds greater than this are easily obtain able, Dr. Zwicky says, by impres ing the design of the explosive charge and the metal liner. He calls the process ultraflight.

One group of researchers has me ported achieving a speed of about 55 miles a second. So there is poser and speed to spare.

The shooting probably will is be done in this country, because objections have been raised in some quarters that it might en danger people.

Either the Sahara Desert or Beitain's great 3,000-mile rocket range in Australia are likely spots. In Zwicky reported in an interview he has the necessary permission from both French and Australian authorities.

#### Cone-Shaped Missile

The remarkable explosive, made from commercially available substances, is packaged into a coneshaped missile which produces a et effect when set off. The hel low cone is lined with the thin sheet of metal.

The blast breaks this metal into little pieces which form a jet as they come out the big end of the cone at terrific speed. The metal becomes the projectile.

This is not a new idea. Its principle was used during World War II to give the bazooka, a one-man tank killer, its striking power But the explosive used in bazookas was not potent enough to drive a missile at the escape velocity.

In some instances the faster new explosive may have to be toned down a bit in order to get the most out of it. Anything faster than a speed of about seven miles per second would be wasteful.

Even so, Dr. Zwicky already is talking about a still more powerful explosive. He has made suga means of increasing the power this wicked blast two hundred-

#### Bigger Missiles

If this ultra-explosive stuff ever becomes available, scientists will be able to hurl bigger missiles with smaller charges. Dr. Zwicky's first projectiles will weigh an ounce or less. With ultra explosives, they might weigh pounds.

ing a few feet. So Dr. Zwicky's charges will

have to be lifted above the lower ing. atmosphere before they are set off. For this he needs high altitude belloons such as have been used for cosmic ray research.

These balloons go up 20 miles or Above the 20-mile level the gir

is too thin to heat the projectile to the glowing point but it must glow in order to be observed. The scientist has solved this problem by fashioning the coneshaped liners to contain substances which will heat them internally to incandescence by chemical ac-

#### Nature of Atmosphere

The initial shots may give b servers an opportunity to learn more definitely the physical and chemical nature of the incredibly thin atmosphere 20 to 200 males

One missile might contain a sebstance which reacts violently with ozone, a form of oxygen. There is a layer of ozone about 60 males up which prevents the extremely

freedom of the press.

long and extremely short rays of the sun from reaching the earth. It probably saves people from being slowly sun-tanned to death. A bullet that would set fire to a little spot in the ozone layer might The letter McCarthy made pubtell scientists much about what oth-

er substances exist there. All substances when burning give off light of characteristic colors by which observers can identify them. Also observers for the first time (Ohio) Blade and the Pittsburgh will be able to stand behind a Post-Gazette; Raymond L. Crowmeteor and watch as it speeds in ley, managing editor of the St. a straight line directly away from Louis Post-Dispatch; William H.

first real picture of the workings of the earth's electrical and magnetic fields on the substances which make up the atmosphere. Any projectile that strays off horizontally from a balloon instead

If it veers a little to one side or

the other it will give scientists their

of climbing out of the gravitational field might for a time become a satellite of the earth, but not for long. It would travel in a slightly curved orbit for a few hundred miles and then fall.

To establish a useful earth satellite would require a far larger projectile and if would have to be carried hundreds of miles up before being shot into space. Dr. Zwicky said. A series of powerful rockets would be needed.

A better idea, the astrophysicist added, might be to send out into space something that would start ed by McCarthy. a nuclear reaction in some minor planet or asteroid.

#### In Dream Stage

burn up a small part of the asterold, and in doing so give it a kick cause it to move closer to earth. This is all in the dream stage so "Deliberate Falsity"

Any projectile large enough to his larger creations might do it. charge. Traveling at 25.000 miles an hour it would need about two years to

The atmosphere of Jupiter is mainly methane and ammonia, both combustible gases. But since there is no oxygen there to support combustion the missile would have to carry its own supply.

as soon as the little oxygen was formation program, used up, but Dr. Zwicky said it McCarthy Fails could make a flash big enough to be seen through large telescope. would require very high preci- committee, said:

sion. A shot at the moon would Any bullet fired at seven miles be pretty easy, Dr. Zwicky said, McCarthy, if he did intend, through per second through the relatively but the projectile to be seen would the Wechsler inquisition, to silence heavy lower part of the atmosphere have to land on the darkened part the voice of editorial criticism and would burn itself up while travel- of its face, during the new moon to intimidate editors, has failed or first quarter. It should reach its miserably, destination about 10 hours after fir-

projectile also would have to con- ridiculous for words." tain something to produce incanmore. Their cargo of charges would descence. So far as known there a co-publisher of the Toledo Blade have to be fired automatically or is nothing on the moon's surface and Toledo Times, issued this statethat will burn, and there is no ment

# Investigation

(Story Also on Page One) WASHINGTON W-Sen, Me-Carthy (R-Wir) Saturday wrote to the American Society of Newspaper Editors suggesting they investigate his charge that James Russell Wiggins, Managing Editor of the Washington Post, has "prostituted and endangered"

Wiggins, who recently was a member of an ASNE group which investigated McCarthy's closeddoor questioning of James A. Wechsler, editor of the New York Post, issued a minority report say- cal, a threat to freedom of the press.

lic Saturday was addressed to the seven members of the ASNE committee who did not sign the minority statement — Paul Block Catholic) Seminary, Yongers, N.Y. as directly inconsistent with the scriptures.

Fitzpatrick, associate editor of the Wal' Street Journal; George W. Healy Jr., editor of the New Orleans Times-Picayune; L. D. Hotchkiss, editor of the Los Angeles Times: Joseph W. Lee, editorial director of the Topeka (Kan.) State Journal, and James S. Pope, executive editor of the Louisville Courier-Journal and Times. Joined Wiggins

Editors who joined with Wiggins in criticizing McCarthy were Herbert Brucker, editor of the Hartford (Conn.) Courant; William M. Tugman, editor of the Eugene (Ore) Register-Guard, and Eugene S. Pulliam Jr., managing editor of th. Indianapolis News.

Enclosed with McCarthy's letter to the seven editors was an Aug. 13 editorial from the Washington Post referring to the ASNE report and to the questioning of Wechsler last April 24 and May 5 by the Senate investigation subcommittee head-

The editorial said Wechsler was Experimenters, he said, might tioning about books of his in the beaches. count upon the nuclear blast to state Department's overseas libraries but that he "was subjected to intensive interrogation about edithat would change its orbit and torials in his newspaper critical of Senator McCarthy.

editors said that, since they had another publicity stunt concocted produce an observable blast on examined the testimony they for our Sunday newspaper read- writer Thoreau were early media- cisely and eloquently as in the Bi-Jupiter would have to be fairly would "readily recognize the com- ers." bulky, but Dr. Zwicky said one of plete and deliberate falsity" of this

"Obviously, It would have been improper to call an editor for the purpose of questioning him about editorials critical of the chairman of the committee," McCarthy

The Wisconsin senator has maintained that Wechsler, one of his severest critics, was summoned for questioning as part of the subcom-At that, the fire would go out mittees probe of the overseas in-

In St. Louis, Managing Editor Aiming at such distant targets speaking for himself and not the

"It is quite obvious that Sen.

"For him to demand that the ASNE make itself in effect a sub-Amateur astronomers with good- committee of McCarthy's group for sized telescopes would be asked to the purpose of accomplishing this watch for the landing flash. This suppression and intimidation is too

In Toledo, Ohio, Paul Block Jr.

"If Mr. Wiggins had one-tenth

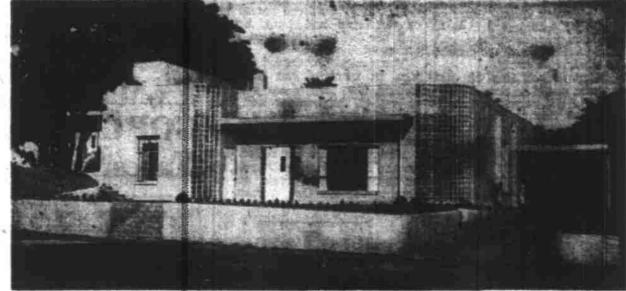
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### Church Comes To Terms With Evolution Idea 70-Year-Old

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ish Institute of Religion.

es today have finally come to win's theory of human evolution. It's been a gradual, quiet pro-

cess in recent times, that only lately has reached a general ac-"Nearly all ministers have come to see that there is no conflict between evolution and divine creation," said Dr. Robert T. Handy, away.

professor of church history at Un-

ion Theological Seminary. "They recognize that any real contribution to knowledge or to understanding of life is an addition to the truths of God."

As the reconciliation grew, Pope Pius XII in 1950 issued an encycli-"Humani Generis," giving inspired ethical document, whose ing that the senator's action was church recognition for the first time to the possibility of physical human

"The church has an open mind on the subject," said Father Roger a few intense fundamentalists and G. Franklin of St. Joseph's (Roman traditionalists still view evolution

#### 'Taps' Leaves **Empty Flats**

RIO DE JANEIRO (AP) - The new American embassy office zoologist Henry Fairfield Osborn. building in Rio de Janeiro has "It destroys the bad and 'favors tort God's true nature. eight lovely apartments which ap- the good. parently aren't going to see much In Sharp Contrast use - thanks to red tape. The eight apartments occupy two upper floors of the 12-story, \$2,800,-000 building, which was opened for use in April. They were intended to be used by newcomers who were looking for apartments of their own, or by touring guests shot heard round the theological

But soon after the opening, a ruling came down from some- 1859, that man evolved through nawhere about the use of the apart- tural selectivity and adaptation to ments. For "security" reasons, conditions, was seen as a slap couples with children would not at the account of creation in the be allowed to use them-only sin- Book of Genesis.

gle persons or childless couples. So about the only occupants for tions of religion were being shakthe apartments, aside from an oc- en." Handy said. casional visitor, have been a few newly-arrived secretaries. The leaders denounced what they callsummoned before the subcommit- story goes that they would prefer ed the "infidel doctrine." Some tee "under the pretext" of ques- a hotel near one of Rio's famous scientists, in turn, made attacks

astuteness, and if Senator McCar- minority of liberals who had the years ago." they had any part of Mr. Wiggins' concern for our American ways, I on both sides," Handy said. "Their genesis account stands unscathed don't believe we would be con-leadership grew into a general by scientific findings, and that McCarthy's letter to the seven tinuing this investigative farce with trend in our present century."

By GEORGE W. CORNELL "The teaching of the church cles were needed to prove God's NEW YORK on — With the bitter does not forbid investigation of the pre-eminence. Ministers like Henwords far behind, American church- question (evolution) in regard to the ry Ward Beecher and Lyman Abhuman body, but insists the soul bott emphasized the idea of an terms with an old bugaboo - Dar- is created immediately by God. aver-present spiritual force in any along with anthropological evi- planation:

"Evolution is God's way of do-Neither all church leaders - nor ing things." all scientists - accept Darwin's

Schoolteacher Trial

theory en toto. But whatever their The clash erupted into the famous views, what once seemed a blunt, 1925 trial of schoolteacher John head-on clash of beliefs has melted Thomas Scopes for violating Ten- in the United States. nessee law by teaching the the-ory on grounds it "denies the story age. That's when he plans to play in a cafe at Chemult, 90 mile "There is no contradiction, as we of the divine creation of man," see it," said Rabbi Dr. John Tepf-But in the ensuing years, through his postal activity. er, of Hebrew Union College-Jewthe depression and World War II. anti-evolution laws like the ones in "Evolution itself may be part of Tennessee, Florida and Mississippi

God's indirect revelation. It does not detract from the Bible as an Many biologists modified Darwin's idea of strict survival of the every utterance of wisdom and fittest, conceding that elements of thought was revealed by the Deinewness evidently entered at crucial periods of world history, Some, The religious scholars said only like biologist Frank L. Marsh, held 'special creation" of man in ac-

cord with scientific findings. "The facts of genesis," he says, not only find complete harmony The present attitude represents a with the facts of nature, they also change not only among religious penetrate and explain the mysterleaders, but also among scientific ies of the future." expounders of Darwin's theory,

Warning Issued

some of whom at first claimed it Pope Pius, while approving reupset the idea of divine creation. "Evolution begins and ends with search into the possibility of man's the purposes of God." writes noted bodily evolution, warned against "pantheistic speculations" that dis-

(Pantheism sees God only as an element in all nature, and not as a supreme power with an active But the general amity that has will regarding man.) evolved between the two fields is

Handy, a Baptist, said that "even in sharp contrast to the controvermany conservatives who adhere to sy that raged, and then simmered liberal interpretation of the Bible now see no direct conflict between As historian Bert J. Lowenberg it and evolution. They note the reput it, "Charles Darwin fired a markable parallels."

Both genesis and science, he noted, offer the same chronology of His theory, first published in events - the earth without form -the herbs and grass - the sea monsters and fishes - the fowl and land creatures - and finally man. However, some fundamental Protestants, some Catholics and some "It seemed that all the founda-

Protestant, Jewish and Catholic read as a somewhat symbolic account of creation, and that a day of God can't be an eon." Handy said. "They believe if you stand on established religious institutions. by the Bible, you must believe in fiat creation, not evolution, and of Senator McCarthy's political "At first, it was only a small that the world began only 5,957

Orthodox Jews strongly oppose ev-

vision to see above the dogmatism | Most others, he said, feel the never has the story been told, whe Men like the poet Emerson and ther by scientist or cleric, so contors, arguing no superficial mira- ble.

## Likes Golfing

TARPON SPRINGS, Fla. (A)-Thirty-five years a mailman, In such discussions, biblical texts natural truths. Philosopher John Charles E. Renfroe, 70, frequentare to be given their due authority. Fiske provided the oft-quoted ex- ly plays 36 holes of golf before

making his daily 15-mile round. "That's to keep in trim," he

He uses a bicycle to cover his mail delivery route and believes he was the first bicycle mailman mone

He is to retire soon because of a lot of golf because he will miss north

## Burglary Case Suspect Jailed

KLAMATH FALLS UN .- A mas accused by state police of a \$214 grocery store holdup. Thursday night and a tavers burglary earlier this week was arrested Satur-

was identified as Richard Lewis Bridewell, 23, alias Ray Jerome Young, Oakland

of here, Bridewell had \$16 and loot from the tavern burglary,

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