

# 'Inertia Barrier' Major Task Faces Object at Light Speed

By WILLARD WILKS  
United Press Correspondent  
Los Angeles—The major obstacle to a space ship hitting the speed of light is the "inertia barrier."

Approaching light speed in space, the inertial mass of a mere pebble becomes that of a battleship. Scientists just don't bother to figure what it would be for a space ship.

Dr. Robert H. Boden, physicist at North American Aviation's Rocketdyne plant, explained that the inertial mass—or resistance to being pushed faster—of any object increases progressively the faster it goes.

"At around 80 per cent of the speed of light this increase becomes appreciable," Boden said.

In view of this, will man actually be able to propel himself at the speed of light—186,300 miles per second?

Despite the tremendous inertia barrier, Boden and another propulsion expert, Dr. William H. Pickering, director of Cal Tech's jet propulsion laboratory, refuse to say that it is impossible.

"We just don't know," Boden states frankly. "We are somewhat in the situation of scientists in the 1920s period of aircraft development—before the problems of the

sonic barrier were understood." Pickering, whose laboratory helped develop America's first successful satellite, said scientists "don't like to say anything is impossible."

Both agree it will take new sources of energy unknown today. In today's technology, trying to shoot even a pebble to the speed of light might take an engine-fuel component the size of a house, ob-

viously not a feasible proportion for a space vehicle. As for the immediate future, Pickering believes "we'll be doing pretty well to reach 10 miles a second," or about twice the speed of our Explorer satellite.

"That should be adequate for preliminary exploration of the solar system and keep us busy for a while," he said. Looking a little further into the future, Boden said he thought a "velocity capability of around 250,000 miles an

hour in gravity-free space is within the present realm of reasoning." At the same time, he pointed out this figure would be slowed "by maneuvers of the vehicle and gravitational fields."

"But this is just a gleam in our eye," he said. "We are years away from a working model of the power plant we would need."

As for the inertia barrier, he said this probably wouldn't become a serious problem until a ship reached around

80 or 90 per cent of the speed of light. "And we have kept our studies well below that range," he added with a smile.

New Mexico, part of which lies in the Southern Rocky Mountains, has a number of peaks and mountain ranges with unusual names: Gallo (rooster), Hogback, Hatchet, Organ, Cebolleta (little onion), El Huerfano (orphan), Starvation, Soldier's Farewell and Rabbit Ear.

## Business Experts Shun Artificial Market Stimulants

By ELMER C. WALKER  
United Press Financial Editor  
New York—Business experts recently have been turning away from artificial stimulants to lift the economy out of the recession.

The editors of Dun's Review, monthly Dun & Bradstreet publication, hold that 1958 looks like

testing, market research, and sales training. "Prompt action when the facts warrant decision. Management can be wrong even when it's right, when it delays hiring, firing, moving, staying, merging, divorcing, or dispensing, or shirks any other call to judgment. Failure to act is a primary cause of failure in any venture."

Moore Hamilton, Medford postmaster, outlined plans for the state convention of the National Association of Postmasters of the United States at a dinner meeting of the Jackson County Postmasters recently.

The state convention will be held in Medford June 17 through 19. Hope Brader, postmistress at Chemult and president of the state organization, discussed postal matters on the state and national levels.

Other guests included Esther Guddat, postmistress at Crescent, L. L. Storey, postmaster at Malin, and Harold Prestel, postmaster of Grants Pass.

Marie Furry of Phoenix presided at the business meeting, and reported on the state mid-winter postmasters' meeting in The Dalles last month.

Forest Grove Man Heads Astoria Schools  
Astoria—Douglas Olds, 41, superintendent of Forest Grove Union High School, has been appointed superintendent of Astoria public schools, effective in July, the school board announced Thursday.

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1. More productivity to balance the inflationary theft of values and more spendable income to offset any deflationary pressures.

2. Better training of middle management through greater responsibility for decisions, even to the risk of some wrong guesses.

3. Less reliance on government for support, guidance or discipline in business; less use of Washington as a wailing wall.

4. Less waiting to see what the competition will do. Less trend-setting. Less talk and more field work on product

## Cigarette Makers Dispute Findings Of Subcommittee

Washington—Two tobacco manufacturers Thursday disputed a congressional finding that the public has been "deceived" in advertisements about filter cigarettes.

Bowman Gray, president of R. J. Reynolds Tobacco Co., which makes Winston filter cigarettes, said the House Government Operations subcommittee had based its findings in a March, 1957, magazine.

Gray said that since then there has been a considerable decrease in amount of solids and nicotine found in Winston cigarettes.

The president of P. Lorillard Co., Lewis Gruber, said his company's claim that Kent cigarette filters "best of all leading filter brands" was a "simple statement of fact."

He said "three of this country's best known and most reputable independent research organizations" had substantiated that Kent "delivers less tar and nicotine in its smoke than does any other filter brand."

The House subcommittee said Wednesday its investigation last year showed filter tip cigarettes offer no more health protection than the non-filter variety. It accused the Federal Trade Commission of being "weak and tardy" in cracking down on ads that imply filter tip cigarettes do offer protection to the smoker.

The FTC meanwhile has called a conference Feb. 26 of cigarette industry representatives to establish uniform standards for testing amounts of tar and nicotine in cigarette smoke. The commission said it wants to end "confusion" resulting from a wide range of testing methods.

Sanitation at Labor Camps Talked  
Salem—Exclusion of farm labor camp grounds from sanitation standards for women and minor workers in agriculture was recommended at a public hearing of the Wage and Hour Commission here Thursday.

Labor Commissioner Norman O. Nilsen said the problem of providing suitable living quarters for migrant workers will be considered under separate standards.

State Board of Health regulations on farm labor camps apply irrespective of the employment condition.

Gordon Walker of Independence said farm labor camp ground conditions present a different and greater problem because of diverse farm operations and should be treated separately.

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# WASHINGTON'S BIRTHDAY SALE

OF ALL THE RIDICULOUS THINGS ... THIS ONE TAKES THE CAKE (WASHINGTON'S BIRTHDAY CAKE)

WE'VE LET A LOT OF STUFF JUST LIE AROUND AND PILE UP. NO ONE'S FAULT BUT OUR OWN, AND GUESS WHAT ... YOU ARE THE ONE WHO COMES OUT ON TOP WITH THE MOST OUTLANDISH, UNREALISTIC, IMPOSSIBLE, UNHEARD OF BARGAINS EVER!!!

SHOE DEPT. Main Floor  
(ATTENTION NARROW FEET)

"JOLLY JERRY" STAMBAUGH, our shoe buyer, needs Help! Help! Help!

100 PAIRS narrow school shoes at chopped down prices. We cannot tell a lie—these are finest quality shoes but too many narrow sizes. If you wear size 6 thru 10 in a narrow width we can save you money. Reg. priced at 8.00

MEN'S SHOP Main Floor  
(HABERDASHERS HEADACHES)

"EMOTIONAL ED" CULBERTSON ... men's and boys' wear buyer ... is upset over the whole thing. Help the poor guy if you can.

THIS IS A TRUNK SHOWING—4 only all metal foot lockers—excellent for clothing too! Reg. to 12.50

MEN ... ARE YOU FIT TO BE TIED?—Come in and tie one on—what? One tie of course ... values to 2.50 in pure silks. While they last

GEORGE WASHINGTON SLIPPED HERE—He should use white alligator belts but he should have said "white elephant" (who ever saw a white alligator anyway). Broken sizes. Reg. 5.00

FERDINAND, KENNESAW, NUSSBAUM, TRUEHART—"Sounds like roll call on Valley Forge" you say. No it's an appeal men with initials F, K, N or T. Initial handkerchiefs for just

WE'RE HAVING A B-I-G-I ... B-I-G-I suit sale—Yes, one only in size 48 semi-stout suit. Dark brown hard worsted wool. Reg. 65.00

ALL WOOL SHORT JACKET—1 only, size 44. It's as gray as our mood every time we look at it. Perfect, however, with charcoal trousers. Reg. 25.00

GRAY FLANNEL TOPCOAT—A real Valley Forge Special. 1 only, regular. Size 46. Reg. 45.00

KEEP YOUR SHIRT ON—don't get in a sweat until you've seen these. 2 only medium size sweat pants—perfect for gym (or Bill or Harry). Reg. 2.95

BOY'S SHOP Lower Floor  
(DELINQUENT SPECIALS)

SALE ON BOYS SKITS—What's a Skit? That's tika spelled backwards. Seriously though (and this is serious), they are boy's knit shorts with a short leg. Sizes 30 and 32 only. Reg. 98c

SIZE 17 SPORTCOATS—We made a very special purchase of 2 only. These were "picked up" by a souvenir hunting buyer touring Mt. Vernon and are said to be authentic models of the period. Reg. to 21.95

AND ON THE OTHER HAND—they have 5 fingers—boy's all wool gloves in navy or maroon. Regular 1.50 pair. The stock in this item has gotten out of hand—take them away for

BOYS' CORDUROY SLACKS—Sky blue and mint green are lovely colors—why not come in and take your pick from 6 only, in sizes 26 & 28. We repeat—a wide, wide color selection, light blue and light green. Reg. 6.50

ACCESSORIES • NOTIONS (LITTLE MISTAKES) Main Floor

"ABLE ALTO" PRUITT, notions, is not quite able to face it all. Can you help her?

UTILITY BASKET, clumsy looking—wrought iron and brass. They look better with fruit and nuts in them. 8 only

GENUINE LEATHER ACCESSORIES—Sincerely there's nothing wrong with these eye glass cases—Memo pad and King Size cigarette cases. Just a little drab in color—but you can give 'em for gifts

FAKE FUR JACKETS that no self-respecting fur-bearing animal would claim. The original price was, believe it or not, \$10.98. 3 only, 1 black and 2 leopard

SOAP—FINE CASTILE, doesn't smell sweet—maybe you can get the kids to bathe ... it's handpainted

WE'VE TRIED AND TRIED to sell this Lazy Susan type service. Four angled serving dishes with a covered center dish. Leaf & cherry pattern

CHILDREN'S (AND SMALL ANIMALS) LINGERIE • HOSIERY

"SKEPTICAL SCOTTIE" TRUMBLY (she's new here) isn't quite sure she wants to join this crazy mixed up crew. However, she likewise dug out a few old skeletons.

A CLEAN SWEEP—7 only subteen dresses. May be used as dust rags. Obnoxious colors. Reg. price was 9.98

SANTA BROUGHT THESE—George whacked them with his hatchet. Girls knit cardigans that were priced from 3.98

GEORGE W. couldn't tell a lie but for the girls who do—PADDED BRAS. Regularly priced at 3.00

HOSIERY for the gals making rag rugs. You can SOCK it to us on these. Sizes 8½-11 in Short, Med, Tall. Reg. 1.35 pr.

TRICOT GOWNS—some gaudy thing a salesman talked us into. The fit is up to you. Reg. 3.99

SUPPOSEDLY A PEIGNOIR—Your guess is as good as ours. Fits like a barrel. Reg. 12.95. Take it away for

PURPLE JEANS—Deep purple falls—the buyer is having purple nightmares—please help him—4 only, size 10. The whole plot was perpetrated by a famous maker who prefers to remain anonymous. Reg. 2.98

KNIT T-SHIRTS—Calling all boys size 4, 8 and 16. We can fit 16 of you in these at a ridiculous price—you'll know why when you see them. Reg. to 2.19. A very good value at

## Court Records

MUNICIPAL COURT  
William Harold Roberts, excessive noise, \$2.50.  
Earl Thomas Manley, improper lane usage, \$10.  
Wayne Fred Johnson, disobeyed traffic signal, \$5.  
David Earnest McClurg Jr., violation of basic rule, \$10.  
Wilma Louise Pierce, violation of basic rule, \$5.  
James Murray Bell, violation of basic rule, \$10.

DISTRICT COURT  
Sammie Lee Emberger, failure to dim headlights, \$6.  
Nelson E. Cannon, no operator's license, \$10.  
Elvin D. Calkins, one head light, \$6.  
Gladys M. Campbell, failure to stop, \$10.  
Jimmie Strepdill, failure to stop, \$10.  
Edward Perr, no PUC permit, \$15.  
Mary M. Hiken, failure to dis-

## 'Moon Traveler' Eyes Space Career

New York—Airman Donald G. Farrell, 23, the Air Force's "moon traveler," said today he hopes to spend his life in space work.

The young airman who spent last week in a simulated space rocket at Randolph Air Force Base, Texas, said he hopes to enter college play two license tabs, \$5.  
John W. Bigham, failure to stop, \$10.  
Elizabeth A. Settle, failure to stop, \$10.  
MARRIAGE LICENSE APPLICATION  
Albert James Givens, 813 Beekman Ave., Medford, and Janice A. La. Klamath Falls.

this fall to study aeronautical engineering and then "go back and work in the same field of Air Force projects that I am presently in."

A real flight to the moon, he believes, "can be done, and I would like to do it." Farrell arrived shortly after midnight for two weeks "temporary duty," making radio, television and other appearances here and attending an Air Force Assn. jet age conference in Washington.

At the head of his personal agenda: "I'm just going to visit the folks."

## SATURDAY ONLY

THE EARLY BIRDS GET THE BEST WORMS ... ANYONE FOR WORMS?

LADIES APPAREL (FASHIONS?) 2nd Floor

"DOUBTFUL DONNA" DOYLE, ready-to-wear buyer, is doubtful you'll be interested in any of these, but here goes anyway ...

HERE IS WHERE WE REALLY MISSED either on size, style or color. They are still here so yours must be waiting for you on one of our dress racks. Broken sizes and styles.

ONE GROUP—20 ONLY VALUES TO 22.95

ONE GROUP—20 ONLY VALUES TO 19.95

PRINTED JERSEY & COTTON BLOUSES were the smartest to wear with capris, shirts and suits in 1957, so we really went overboard and bought too many. Values to 7.98. Sizes 32-38. Yours for only

WE REALLY FELL IN LOVE WITH THESE, when we bought them. But the customers didn't ... so here is the give-away price.

1 ONLY ALL WEATHER COAT—Size 14—Reg. 25.95

1 ONLY ALL WEATHER COAT—Size 16—Reg. 39.95

1 ONLY ALL WEATHER COAT—Size 12—Reg. 29.95

WE WENT CRAZY WITH WENDI (the salesman) ... he told us these 1 pc. sunsuits were great. You should see them ... and we want you to have them. 6.98 values for

WE REFUSE to stand and fold these shorts of sateloth any longer. Our buyer expected all of the Rogue Valley to go to the moon for the winter and she bought a pair of shorts for each of us. Now we have 30 pair left and you can have yours (valued at 98¢) for just

IT WAS A SUNSHINEY DAY when the salesman was here. Our buyer not being accustomed to the sun, went overboard again. Now we have famous make sweaters in wool and vicara or in fur blends—novelties, cardigans and scoop neck styles.

VALUES TO 8.98

VALUES TO 11.98

VALUES TO 14.98

SUN BRAS—just what you need for these dripping wet days. Turn all the electric light bulbs on and come down and buy a sun bra. 11 only. Reg. 2.98

WE INHERITED THESE BLOUSES from our former buyer and now we don't know what to do with them. Our shelves are crowded with new shades of orange ice and lime. What can we do with pink, blue and reds? Sizes 32-36. Values to 4.98 for

"YOU CAN'T LIVE WITHOUT THEM" the salesman said—so we fell, hook, line and sinker—now we have 9 all wool skirts in bright colors left. We don't want 'em, you can have 'em. Values of 5.98 in sizes 14-16-18 for

MILLINERY • 2nd Floor (HUSBAND LOSERS)

"JUMPIN' JEAN" JAEGER, millinery dept. mgr., joins the call for help.

WHITE SATIN HATS—inspired in follies of 1919. Whatever happens to you when you wear these ... don't blame us

EASTER KNITS—we're not saying what Easter but we found 'em stashed in an old drawer

DOMESTICS • Main and Lower Floor (HOME HORRORS)

"HORRIFIED HARRY" BARKER is just as scared of these articles as you are. He hates them ... so he's pushing 'em off on you.

SHOWER CURTAIN SETS—Sets is right—haven't moved one in weeks. How about a clean-up campaign starting with these. At least they match. Regular 4.47

JUMBO BLANKET BAG—Since Ringling Bros. quit coming through, Jumbo doesn't live here anymore. Ideal for do-it-yourself steam bath. 2 only. Reg. 1.19

CURTAIN VALANCING—It's finally curtains for this gathered goop to trim your window. Your choice, if you prefer two styles. Reg. 25¢ yd.

WOOL BATTIS—Man I went hog wild and bally over these moth deliacies. Snack, sandwich and feast size (1-2 or 3 lbs. to humans). Reg. 3.98 to 7.98

CRINOLIN (?)—One only, sugar coated, age dated sticky mess. Good only for fly paper but who knows when 100 yards will come in handy. The whole lot for only

FRINGED FINGERTIPS—Nothing like shredded tips to tantalize the tender hands—buy a his-get a hers. Two towels for the price of one. Boxed. Reg. 1.98

ERIE ENSEMBLE—Live like Liberace—candies, mats, and napkins in one gussome package. If it grew any older we could sell it for cultured mold. One only. Reg. 6.00

ODEROUS OUTING FLANNEL—Omar the tentmaker special—suede finish, non-fading, washable (?), colorfast (?)-36" (we know). Reg. 79¢ yd.

TANKETTES—Don't be caught with a wet tank—do-it-yourself with a Dorothy Dean. Two only—one for the free stander—one for the wall type. Reg. 3.98

200 Mann's MEDFORD

No mail or phone orders on these items. No refunds or exchanges. (Once you get 'em, you're stuck with 'em.)