

Universe May Be Expanding, Contracting, Carnegie Institute Findings Indicate

Washington—(AP)—The universe may be pulsing like a giant heart, expanding and contracting in periods of many billions of years.

This possibility is posed by scientific findings published today in the annual report of the Carnegie Institute of Washington. It has long been believed that the universe, with its millions of star systems like the Milky Way, is blowing up like a huge bomb. The new findings indicate that the rate of expansion is slowing down and that eventually a period of contraction will ensue.

This suggests an "oscillating" universe, its giant pulses constituting act of creation followed by constrictive death.

That the universe is expanding was first indicated some three decades ago when examination of their light disclosed that galaxies were receding from one another at speeds up to one-fifth that of light. The speed of light is 186,300 miles a second.

As far as they could see into space, through the 100-inch Mount Wilson telescope in California, astronomers found that

the speed of recession increased galaxies distance.

This suggested a uniformly expanding universe thinning endlessly in infinite space. But recent observations by Dr. Milton L. Humason with the 200-inch Palomar telescope in California seem to indicate that two faint clusters of galaxies about a billion light-years away are moving faster than in direct proportion to their distance. Their indicated speed is greater than one-third that of light.

A light-year is the distance light travels in one year. So anything a billion light-years away is seen on Earth as it was one billion years ago. The tentative conclusion, therefore, is that a billion years ago the universe was expanding more rapidly than it is now.

One widely held theory of creation is that everything in the universe was once compressed into an extremely dense mass

consisting only of nuclear matter.

Cosmic Blast

Five to six billion years ago this mass exploded. Galaxies, stars, and planets are the fast-flying fragments of that cosmic blast.

If later information confirms that the universe is, indeed, oscillating the inference will be that it has gone through many births and deaths.

Since its latest re-birth five or six billion years ago the universe has been steadily evolving. But if its expansion rate is slowing, at some future time the universe will begin to contract again.

And multiplied billions of years hence, all the stars and all the planets—and, of course, all life—will be extinguished in their present form and crushed into the primordial "nuclear fluid" from which they sprang, and will spring again.

New Clues To Origin Of Life Reported by Carnegie Scientist

Washington—(AP)—New clues to the origin of life were reported today by a scientist who has succeeded in creating artificially some of life's basic building blocks.

The scientist is Dr. Philip H. Abelson, director of the geological laboratory of the Carnegie Institution of Washington.

His findings, published in the institution's annual report, suggest that life was generated spontaneously under conditions assumed to have existed on the primitive earth of billions of years ago.

The atmosphere and oceans presumably were formed by gases spewed from the Earth's interior. Abelson took gases now associated with volcanoes and sent electrical discharges through them. These discharges

subjected the gases to ultraviolet radiation like that with which the young Earth was drenched before development of the atmosphere's ozone screen.

Out of his "primitive-atmosphere" a number of amino acids including glycine, sarcosine, and alanine.

Amino acids are the constituents of protein molecules, and protein is the essential stuff of all living cells.

Ex-Haitian President Takes Plane To Exile

Port-Au-Prince, Haiti—(AP)—Former Haitian President Paul E. Magliore flew into exile Thursday night and his departure touched off jubilant demonstrations throughout this capital city.

Magliore's departure signaled a complete victory for the people over military dictatorship. Haitians danced in the street and ripped down posters proclaiming "Long Live Magliore."

Magliore bowed to the pressure of a nationwide general strike Wednesday and stepped down as chief of state, a post he assumed immediately after resigning as President. But Haitians were not satisfied and Thursday he surrendered control of the armed forces by resigning as commander in chief.

Tension ran high from the time Magliore's decision to go into exile became known and his actual departure some hours later. Authorities frankly feared an attempt on Magliore's life.

Southern Oregon Speech Contest Set

Ashland—In the interest of preparing high school speech students for statewide speech competition Southern Oregon college will hold its annual speech conference Jan. 25-26, with high school speakers from all over the state invited to attend.

People who are interested in helping youngsters develop speech abilities are invited to participate in the speech conference as critics. Anyone who would like to help further the interests of future speakers should contact either Dr. Dorthey Stolp or Mr. Leon Mulling at Southern Oregon college.

Court Records

POLICE COURT

Kenneth Wayne Dilley, violation of basic rule, \$10.
Frank Anten Guber, disobeyed stop sign, \$5.
Edward Lawrence Joanis, disobeyed traffic signal, \$5.
Charles Neff Culmer, disobeyed traffic signal, \$5.
Frank Hector Wells, disobeyed traffic signal, \$5.
Dwain McKinley Ross, excessive noise, pipes, \$10.
George Francis Bell, violation of basic rule, \$10.
Clyde Edward Chamberlain, violation of basic rule, \$10.
Kenneth Wayne Shockley, failure to operate on right side of highway, \$7.50.
Dwain Allen Richardson, failure to display license on motor vehicle, \$15, bail forfeited.
Michael Franz Maffett, violation of basic rule, \$15.
Leeroy Virgil Draper, violation of basic rule, \$10.
Thomas Gordon Hall, overload, \$23.
William Carl Strawn, following too close, \$10.
Louise Burrough, violation of basic rule, \$12.50.
Lloyd James Rogers, no horn, \$5.
George Francis Bell, failure to stop at stop sign, \$10.
Raymond Frank Cruz Jr., no PUC permit, \$15, bail forfeited.

MARRIAGE LICENSE APPLICATIONS

Albert Henry Nixon, 2222 Barnett rd., Medford, and Shirley May Irwin, 1907 Prune, Medford.
Roland Mattison Howerton, Lemport, Calif., and Constance Elizabeth Lewellyn, Santa Monica, Calif.

CHRISTMAS SHOP in ONE QUICK STOP at Your Family Gift Center

ACME HARDWARE—your Family Gift Center—offers quick, convenient shopping plus the WIDEST VARIETY OF CHRISTMAS GIFTS in town! We have the PERFECT PRESENT FOR EVERY PERSON on your Christmas list. We've GIFTS for Men, Women and Children... GIFTS for Family, Relatives and Friends. We've personal GIFTS... and practical GIFTS... and even GIFTS for Pets, too! So, this year, CHRISTMAS SHOP in ONE QUICK STOP at ACME HARDWARE—your FAMILY GIFT CENTER! FREE CHRISTMAS WRAPPING!

LOWEST PRICES FOR HIGHEST QUALITY

ACME HARDWARE CO.

SPECIALISTS IN HOMEWARES!

Free Parking... Free Delivery

FREE FORD

in 5 Days

1957 Fairlane "500"

DRIVE IN FOR FREE TICKETS—NO NEED TO BUY

HAND DECORATED—49c Value ONLY

Dutch Mug 19c

One With Each 5 Gallon Gas Purchase

START TODAY TO BUILD YOUR SET

LOOK What 50 Fortune Stamps Will Save You!

	Regular Retail Price	Fortune Price Plus 50 Stamps
Comforters	\$14.95	\$ 6.95
Binoculars 6x30	39.95	15.15
Westbend Mixing Bowl Set, stainless steel	7.95	5.05
Anso Camera, Flash with Case	10.85	8.15
Can Opener, Dazey	6.95	4.45
Christmas Stocking	1.19	.79
Imported Leather Purse	15.00	3.95
Whistling Tea Kettle	2.95	1.65
Coffee Maker, West Bend	12.50	9.35
Corn Popper, Electric	6.45	4.85
Spinning Reel, Ocean City	19.95	14.95
Scales, Borg	7.25	5.25

OVER 1000 ITEMS TO CHOOSE FROM
Toys — Appliances — Sporting Goods — Tools

IT'S FUN TO BUY GAS AT **FORTUNE** ON THE POINT — SOUTH CENTRAL AT SOUTH RIVERSIDE

Gifts at ALL PRICES Solve Your Budget Crisis

SMOKER'S GIFTS

- Factory Fresh
- Gift Boxed

\$6.75 50 AURELIA BILTMORES

\$1.45 10 AURELIA BILTMORES

\$3.45 25 AURELIA BILTMORES

Other Popular Brands at Money-Saving Box Prices

- Roi Tan • Dutch Masters • Red Dot • Van Dyke
- King Edwards • Santa Fe • Wm. Penn • White Owl • Carabana... and Every Popular Cigarettes

Make it a Kirsten Christmas

The famous Kirsten duraluminum stem makes the difference. Scientific radiating action cools the smoke... removes harsh irritants... easily cleaned. The new K400... \$4.

OTHER IMPORTED BRIAR PIPES

- Medico • Yello-Bole
- Kaywoodie • Dr. Grabow
- Viking \$1.95 • Falcon \$3.50

Outstanding Christmas Gift!

ESSEX RONSON

World's Greatest Lighter \$8.50

Other Ronsons \$3.95 up

CHRISTMAS CARDS by American Greetings

- Open Stock 5c up
- Boxed Cards 59c up

25 Beautiful Cards All One Distinctive Design To Be Personalized \$1.00 to \$2.50

RATES FOR PERSONALIZING

- 25 Cards \$.95 to
- 100 Cards \$3.00

Picture Christmas Cards From Your Own NEGATIVES With Envelopes

- 25 Cards \$ 3.75
- 100 Cards \$10.00

TOBACCO POUCHES 49c to \$3.00

PIPE RACKS & Pipe Rack Humidors 29c to \$4.49

A Gift for Good Grooming Seaforth Sled Pack Briskly heather-scented shaving lotion & men's cologne in unbreakable plastic bottles... \$1

Men's Other Sets

- Old Spice • Tawn
- Lenthic • Yardley
- Kings Men • Mennen
- Sportsman

TREE LIGHT SETS

- 8 Light Series Set... 67c
- 20 Glo-Lite Set... \$2.29
- MULTIPLE INDOOR—
- 7 Light Set... \$1.39
- 15 Light Set... \$2.89
- MULTIPLE OUTDOOR—
- 7 Light Set... \$1.89
- 15 Light Set... \$3.89

Extra G.E. Globes

- G6 (Series) 7c 10 for 59c
- C7 1/2 (Inside) 13c 10 \$1.10
- (Multiple)
- C9 1/2 (Outside) 15c 10 \$1.30
- (Multiple)

the new Paris-bore fragrance

CAFÉ DES DEUX MA

Ambush by Dana

Like smart Fashion women you, too, will love Ambush for its light-hearted, intriguing fragrance—the sense of excitement it gives to all your hours around the clock.

From Dana, famous for TABU, 20 CARATS, PLATINE, BAMB

Cologne, \$2.25 to \$20.00
Perfume, \$2.75 to \$18.50
Plus Tax

The gift that whispers... WOMAN... WOMAN... WOMAN...

Adam's Rib Perfume Set by Lenthic's

Never, never, never since the world began has there been a perfume like ADAM'S RIB!

- A 1/2 oz. jeweled purse perfume flacon for her to use lovingly...
- ... a 2 oz. ADAM'S RIB MIST TOILET WATER to be used lovingly.
- BOTTLE only \$6.50, plus tax.

Perfume Set \$6.50 plus tax

Eskimo Hair Dryer

Easy-see magnified numbers. Non-slip mat

RITZ \$4.49

BORG \$8.45 to \$12.50

BATHROOM SCALE

Easy-see magnified numbers. Non-slip mat

RITZ \$4.49

BORG \$8.45 to \$12.50

REVLON'S FUTURAMA With Lipstick 1.25 up

MANICURE SETS \$3.50 up

GENERAL ELECTRIC FLASH BULBS

- PH5 Doz. \$1.15
- M2 Miniature Doz. 89c

FILM DEVELOPING AND PRINTING

- 8 Exposure Roll 39c
- DOJLS 98c up

TOYS GALORE

LIFE SAVER Gift Book—49c

- CANDY CANES 1c, 5c & 10c
- SOCIETY BAG CANDY 39c and 49c
- CHOCOLATE COVERED CHEERIES by BRACH Pound 69c
- SHARP'S Imported ENGLISH TOFFEE AND HARD CANDY \$2.00—Metal Box—\$1.39
- \$1.89 BLANTERS CANS GIFT-NUTS \$1.49
- Whitman's Sampler 1 lb. \$2.00 2 lbs. \$4.00
- OTHER SELECTED CHOCOLATES By Whitelaw and Brown & Haley SOVEREIGN CHOCOLATES 2 1/2 lbs. \$1.89 BRACH'S MINIATURES 2 lbs. \$1.79

NEW PARKER Jotter ball point desk set \$2.95

PARKER "61" Newget—Cleanest—Best \$20.00 Up

TREE ORNAMENTS

- 2 Doz. Small 15c
- Large Balls 29c ea.
- METAL FOIL ICICLES 10c Pck. 9c—25c Pck. 19c
- ANGEL HAIR 23c
- COTTON, Fireproof 23c
- STARDUST COTTON 16" x 64" 43c
- 29c Movable TWINKLER ORNAMENTS 23c
- BLIZ-SNOW 10 1/2-oz. Bomb 79c

WESTERN THRIFT

ADD FEDERAL EXCISE TAX ON TAXABLE MERCHANDISE

PRE DELIVERY IN MEDFORD

WESTERN THRIFT

Rx PRESCRIPTION SPECIALISTS

MEDFORD'S ORIGINAL PRICE CUTTERS

30 CENTRAL DIAL 3-5371

OPEN WEEK DAYS 8:30 to 9:00 - SUNDAYS 9 to 5