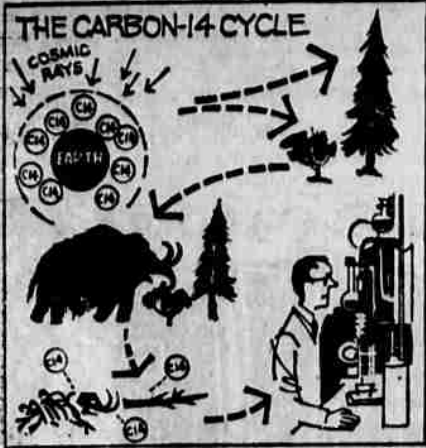


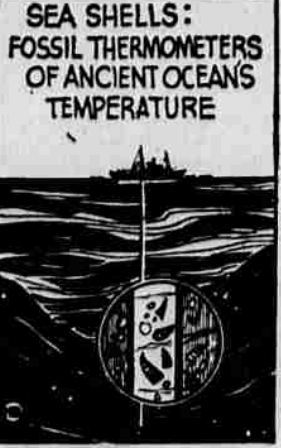
Earth, Stars and Man (19) Charcoal and History

by Don Oakley and John Lane



SOME CARBON-14 DATES:

- EGYPTIAN BOAT - 5,621 YEARS
- DEAD SEA SCROLL - 1,917 YEARS
- CHAR COAL FROM CAVE MAN'S FIRE IN FRENCH CAVE - 15,516 YEARS
- CHARCOAL FROM CASPIAN SEA CAVE - 43,000 YRS.
- INDIAN SANDALS FROM OREGON - 9,053 YEARS



One of the new tools being used in the search for man came out of World War II research into the atom.

In 1946, chemist Willard F. Libby theorized that carbon-14, a radioactive form of ordinary carbon (familiar as charcoal), is manufactured in the upper atmosphere by bombardment from cosmic rays. It mixes with the carbon dioxide breathed by plants and passes into the animals which eat them. Since carbon-14 decays at a certain rate, it should be possible to measure the amount still left in once living things and determine their age. (The process is complicated, but basically involves counting the ticks on a Geiger counter.)

It was first verified that carbon-14 is present in all living things in equal amounts all over

the world. Then dead matter, whose age was known, was tested (for instance, a piece of wood from an Egyptian burial boat). The method was found to work with close accuracy.

Archaeologists at last had a calendar that could take them back far beyond recorded history. Unfortunately, carbon-14 dating is limited to not much over 50,000 years. There is still a tremendous time gap between it and the uranium method of dating rocks. Men are constantly searching for other natural calendars to fill that gap.

Another form of measuring has been developed by another chemist, Nobel Prize-winner Harold C. Urey. He found that a radioactive form of oxygen—oxygen-18—is absorbed into the shells of sea creatures. The rate varies

with the temperature. With this method, it has been possible to measure the temperature of the ocean millions of years ago. Somewhat like the rings on a tree, the yearly growth of the fossil shells records that year's temperature for all time.

Fossil seashells are brought up in the order they were laid down by means of deep-sea borings. By drilling into the sea bottom, man is learning more about the history of the world. One of the most ambitious projects is the "Mohole," the plan to drill through the earth's crust into the zone of floating rock known as the mantle. Preliminary borings may be made in 1961. One possible result may be clues to the secret of how life began.

NEXT: Spark of Life

Hoffa Makes Bid To Improve Relations With JFK

WASHINGTON (UPI) — Teamster President James R. Hoffa has made a bid to improve his relations with President-elect John F. Kennedy. The two have been feuding ever since the Senate rackets inquiry into the Teamsters.

Hoffa's conciliatory mood apparently did not extend, however, to Kennedy's younger brother,

Robert, who served as general counsel to the rackets group. Hoffa aide said Robert was unfit for attorney general, a post for which he has been mentioned in speculation.

The Teamster chieftain, who opposed the Democratic nominee in the recent campaign, made his peace overture in an editorial in the December issue of the union's monthly magazine.

"In the aftermath of last month's national election," he wrote, "all Americans — those who voted for Kennedy and those who did not — will close ranks and work side by side for the welfare of our country and a better world for all."

"In all democratic institutions there is room for healthy dissent. Yet, when the vote has been taken, the majority will express, all members unite for the welfare of the group."

A Teamster official said this meant that Hoffa, who was the prime target of the rackets inquiry, was adopting a "live-and-let-live" attitude.

Another union official, Hoffa aide Harold Gibbons, told a news conference the Teamsters would give the President-elect "whatever support is available to us" in matters or which Kennedy and the union agree. He indicated the union would back Kennedy without reservation on foreign policy.

JOHN H. HOUSTON
Equitable's
GIFT POLICIES
SERVICE SINCE 1921

Firemen Called To Fashion Shop

Suburban firemen were called at 5:17 p.m. Monday to the Fashion Villa in the Town and Country Shopping Center. They said a short-circuited switchbox caused smoke that produced a little damage to the shop.

City firemen made three runs during the past 24 hours. They were called to the M. C. Cooper residence at 1962 Melrose Street Monday afternoon. An overheated pan filled the room with smoke, firemen said.

Firemen stood by while a flooded oil stove cooled at the home of Gary Brown, 1314 Nimitz Street, at 11 p.m. Monday.

And they were called at 10:15 a.m. Tuesday to the home of Paul Burnam, 1405 Worden Avenue, to put out a fire in a floor beneath a fireplace.

No damage resulted in any case, firemen said.

Wanted Suspect Held By Police

A three-year search for a man wanted in connection with a bad check charge ended over the weekend when Long Beach, Calif., police picked up a man for a minor traffic violation.

Deputy Sheriff Del Summers left for Long Beach Monday to return Ralph E. Brown to Klamath Falls, where he will face a charge of obtaining money by false pretenses. Brown's fingerprints were checked with the FBI and found to match those found on bad checks in Klamath County in 1957.

It's time to remember...
Housewares FOR GIFTS!

Use Your Charge Account At
YOUR STORE

OPEN FRIDAY NIGHTS
"Klamath's Home Accessory And Gift Store"
721 Main Phone TU 4-4561

Psychologist Defends Books Called Evil By Angry Mothers

SALEM (AP) — A clinical psychologist stood in defense today of the high school reading anthology, "Adventures for Today," before a state Textbook Commission hearing after a battery of some 15 Tigard residents, mostly mothers of teen-age children, attacked it as morally bad.

"If you seek for evil... you can find it," said Dr. James G. Watkins. "You can find what you look for in the world."

Watkins, chief clinical psychologist at the Veterans Hospital in Portland and a resident of Tigard, said the real issue in this case is the right not to have book-burning censorship in the public schools.

He said that once this starts, the public schools will become the battleground of every individual who wishes to express his convictions in a matter like this.

Watkins said "if we are going to start controlling textbooks, we should start with seemingly minor points" which he said were:

Abraham Lincoln in an inaugural address said that citizens when they become weary of a government have a revolutionary right to overthrow it.

He said Ben Franklin in a writing advocated that young men have love affairs with older women.

He said William Shakespeare often referred to sex, prostitution and adultery.

"If ever a subversive element gets into the public schools it will be with the denial of the Bill of Rights," he said.

He turned to a quote from Justice William O. Douglas of the U.S. Supreme Court in support of this and got a big laugh from the many objectors.

"I take it some people are accusing Justice Douglas of communism," Watkins said. There was a loud "Amen" from one corner of the room.

The first attack on the book after Chairman Lloyd Milhollen of the Textbook Commission opened the hearing, came from Mrs. James Willock who said "some of the material and some of the authors" were objectionable.

Mrs. Willock said parents and educators everywhere are concerned over the problem of early dating, the hazards of going steady and what she called the alarming increase of teenage pregnancies and marriages.

"What a shock to us to pick up their literature textbook and find they are being given a different concept through trash in the classroom," Mrs. Willock said. She said that after the ninth

grader reads a Ring Lardner story of a befuddled 18-year-old girl, questions are listed for discussion. They are "how would you describe the writer of this diary... in love with love, in love with half dozen men at once, or in love with herself? How does she deceive herself as well as her men friends?"

Mrs. Willock then asked how the average teenager possibly can evaluate and answer these "ridiculous questions," and added "why should the student even be confronted with them?"

She said the only defense of this book is that it has a high interest quality aimed at stimulating the reluctant reader.

"What good can possibly be accomplished if a student eagerly reads something that breaks down his very moral fibers?" she asked.

Mrs. Willock said that through the record of the California State Senate Investigating Committee on Education she found many of the authors of the book have from three to 36 activities listed against them. She did not document or elaborate on the nature of these activities.

Another speaker, Mrs. James Aitken, took the disputed stories in the book one by one and gave

her objections, on behalf of those who would ask the Textbook Commission to rescind its approval of the book.

She said "I Can't Breathe," by Ring Lardner has this passage which she said encourages early marriages and divorce:

"And she says she was only engaged once, well I have been engaged at least five times a year since I was 14, of course it really isn't as bad as that and I have really only been really what I call engaged six times altogether but is getting engaged my fault when they keep insisting and hammering at you and if you didn't say yes they would never go home."

Milhollen, who presided at the hearing, opened by saying that the anthology had been picked for the reluctant learner and said that "with some criticism I agree and with some I do not."

Milhollen said an entire anthology should not be condemned for a few selections. He said some of the disputed stories also ap-

pear in other approved anthologies.

Milhollen said an anthology is not intended to be read from cover to cover and the use of judgment is needed to fit local conditions. He said it is difficult to find a book that will not draw some objection.

Soldier Hurt

HONOLULU (AP) — The Army Monday identified a soldier whose legs were paralyzed when he tried to jump from a fork-lift that overturned at Schofield Barracks.

An Army spokesman said the soldier was Pfc. Larry Robinson, 19, of Portland, Ore., who suffered a spine injury.

"BLIND" BOOK

The first book for the blind, printed in Edinburgh, Scotland, during 1827, used triangular capitals which could be "read" by the sense of touch, according to the Encyclopedia Britannica.

WIDE SELECTION OF BEAUTIFUL GIFT WRAPPINGS

Gift Wrap Kit
Includes 15 sheets of 26x20 paper... 15 string tags... cards.
Reg. 98c **OUR PRICE... 49c**

Kaycrest Ribbon
4 rolls in a dispense-as-you-need box.
79c Value **OUR PRICE... 40c**

Christmas Assortment
includes tags... seals... enclosure cards... 147 pieces in all.
Regular 25c **OUR PRICE... 2 for 25c**

TRI-PAC Christmas Paper
3 rolls... 360 inches. Cut only what you need.
Regular 98c **Our Price 49c**

ORNAMENTAL RIBBON
* It Shines!
* 8 Roll Package
Regular 98c **Our Price 49c**

RIBBONS and BOWS
59c Value **Our Price 29c**

KIMBALL GLASS - ANNUAL CHRISTMAS SALE

Our entire stock of mirrors REDUCED! Excellent for Christmas gifts. Purchase now from a complete stock. We'll hold your purchase until December 23.

● Gift Certificates ● Free Delivery

ALL BEST QUALITY PLATE AND CRYSTAL. COPPER BONDED. LIFETIME.

Examples

1/2" VENETIAN BEVEL 1/4" POLISHED PLATE WITH MASONITE BACKS AND HANGERS. MANTEL MIRRORS COMPLETE.

14x48	Was \$20.90	Reduced 25% to \$15.68
16x48	Was \$23.75	Reduced 25% to \$17.81
18x48	Was \$24.40	Reduced 25% to \$18.30
24x48	Was \$33.70	Reduced 25% to \$25.28
30x48	Was \$40.65	Reduced 25% to \$30.50
30x60	Was \$51.25	Reduced 25% to \$38.44

Examples

1/4" POLISHED PLATE DOOR MIRRORS, POLISHED EDGES WITH CLIPS AND SCREWS FOR HANGING.

16x56	Was \$21.30	Reduced 1/3 to \$14.20
16x68	Was \$27.20	Reduced 1/3 to \$18.13
18x68	Was \$30.10	Reduced 1/3 to \$20.10
20x68	Was \$32.95	Reduced 1/3 to \$21.97
22x68	Was \$36.95	Reduced 1/3 to \$24.64
24x68	Was \$39.95	Reduced 1/3 to \$26.64

Examples

3/16" CRYSTAL COPPER BONDED "A" QUALITY DOOR MIRRORS WITH CLIPS AND SCREWS FOR HANGING.

14x48	Was \$11.35	Reduced 25% to \$8.50
16x56	Was \$14.45	Reduced 25% to \$10.84
18x68	Was \$17.10	Reduced 25% to \$12.83
18x68	Was \$19.00	Reduced 25% to \$14.25
20x68	Was \$20.90	Reduced 25% to \$15.68
22x68	Was \$22.80	Reduced 25% to \$17.10
24x68	Was \$24.70	Reduced 25% to \$18.53

★ Other Sizes At Similar Savings

CUSTOM CUT SIZES AND SHAPES AVAILABLE. SAME BEST QUALITY COPPER BONDED LIFETIME. POLISHED PLATE AND CRYSTAL MIRROR STOCK.

KIMBALL GLASS CO.

521 Walnut Ave. Phone TU 2-2535

Santa says, "Shop Miller's" Give...

LUGGAGE GIFTS

Samsonite Silhouette

the light-weight, jet-age luggage with hidden lock design!

Check in like a lion with Silhouette, an all-round beauty! (Nothing square about this chassis!) Molded magnesium makes it light and luxurious for a lifetime of coming and going. Custom-tailored and color-coordinated interiors are space-planned for plenty of room. Scuff-resistant vinyl coverings in Biscayne Blue, Dover White, Oxloed Grey.

Ladies' Hat Box \$20.00
Ladies' 26" Pullman \$42.50
Ladies' Wardrobe \$40.00
Men's 21" Companion Case \$25.00
Men's Two-Suiter \$42.50

Beautifully Gift Wrapped Free

Use Your Charge Account

Miller's
The Best Place to Shop After All

Free Parking 5th and Klamath

FOR BOYS **FOR GIRLS**

Craft-Tint Paint Sets ● Paint by Number Oil Paint Sets \$1-\$2-\$3

Model Kits ● 200 to choose from - Cars - Planes - Boats \$1 to \$3
Bridges - Missile Arsenal

Black Boards 18x12 \$1.00 15x21 \$1.50

Roller Skates ● For beginners - skate indoors or outdoors - NON BREAKABLE \$2 & \$3

choice selection still available

Christmas CARDS

BOXES OF ASST. CARDS
Regular 59c to 5.00
1/2 PRICE!

East Side PHARMACY

808 East Main Always Plenty of Free Parking!! Phone TU 4-6776