

Fuller message: don't waste fuel

By KEVIN ROSEBOROUGH

R. Buckminster Fuller called upon the passengers of "Spaceship Earth" to stop burning the world's fossil fuels at such an irresponsible rate in a lecture at Oakland University Thursday.

"Fossil fuels are nature's savings account," the renowned architect, inventor and author told more than 900 persons. "We must live on our income," he said. "You don't burn up your house if it gets cold tonight."

Conservation was the cornerstone of Fuller's nearly three-hour address to a packed OU auditorium. Perhaps Fuller's greatest claim to fame is his invention of the geodesic dome — a hemisphere constructed with interlocking triangles.

Immaculately attired in a dark blue suit, the short, cotton-white-haired gentleman was hardly an imposing figure as he made his way onto the stage.

But he spoke eloquently, with the power of his 84 years behind each word.

In a biographical aside, Fuller explained the beginnings of his career as a world traveler, crusader for a new era of scientific thought and standard-bearer for thousands.

"Fifty-three years ago, in 1927, when I was 32, I had made a mess of a great deal of my life," said Fuller. "I thought I might get rid of it."

"BUT I'D had many valuable experiences . . . and I had to think what each represented."

Fuller said he concluded that if he committed "the rest of my life for everyone else, I might be justified in carrying on."

The cause Fuller dedicated himself to, that "could bring great value to humanity if attended to, and left unattended, could cause great damage" was the mindless waste of fossil fuels.

"I saw what needed to be attended to wasn't," he said.

According to Fuller, science has nev-

er addressed itself properly to the problem of energy and resource conservation.

Fuller outlined the rapid development of steel and alloys, mainly for use in ships and airplanes. He said the tensile strength of steel and aluminum had been increased tens of times since the 1800s — for purposes of destruction.

A central theme of Fuller's was the ability of technology to refine materials and processes to get more from less — conservation.

The next step, he said, was to convert to "livingry from weaponry." Fuller said housing arts, for example, were thousands of years behind sea and sky engineering.

The Queen Mary II weighed 85,000 tons, "but how much does this building, or any building weigh," he asked. He said science, if properly applied, could make a great difference in the way we live.

THAT DIFFERENCE, implied Fuller, would be efficiency.

Ancient Crete had a plumbing system much like ours today, he said.

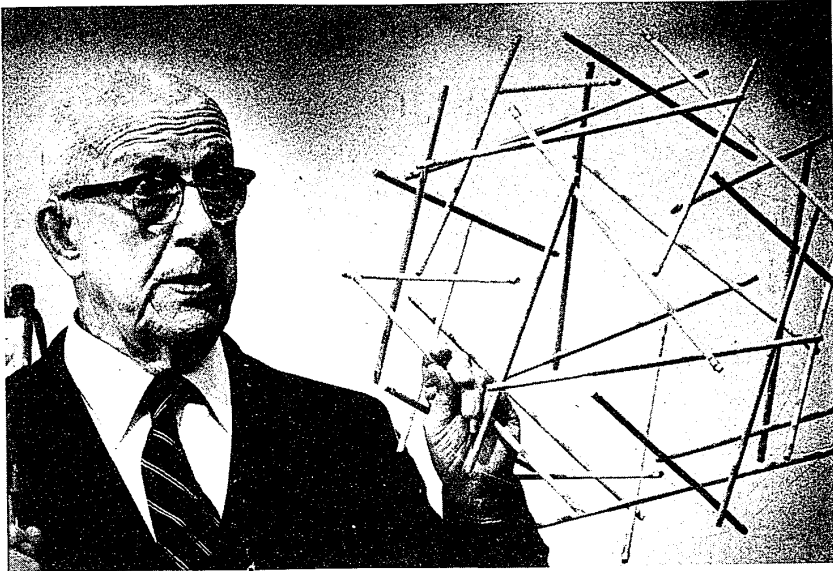
"No scientist has ever been asked to look at plumbing," Fuller boomed into the microphone.

People use four gallons of water to get rid of a few pints of waste, then just flush away the once-pure water, he said.

To Fuller, what he termed the precise interaction of natural laws — all contradictory yet interrelated — was the reason he was so pained by waste.

Fuller stood on stage surrounded by his own brainchildren, structures made of interconnected triangles — octahedrons, tetrahedrons and icosahedrons (20-sided figures).

Fuller said 300,000 domes built using the triangular principal are in existence throughout the world, including on the North and South Poles.



R. Buckminster Fuller, noted author, inventor and architect, stands on stage at Oakland University, flanked by models of his personally conceived geodesic figures. (Staff photo by David Frank)

Concert set

The Michigan Trio will present a concert at 7 p.m. Sunday, Feb. 10, at the Church of the Redeemer in Southfield.

The trio was formed several years ago by Linda Smith, violinist, David Levine, cellist, and Michael Kirby, pianist. All are members of the Detroit Symphony.

On the program are trios by Beethoven and Brahms.

MICHIGAN NATIONAL BANK-FARMINGTON

OF FARMINGTON HILLS IN THE STATE OF MICHIGAN, AT THE CLOSE OF BUSINESS ON DECEMBER 31, 1979. PUBLISHED IN RESPONSE TO CALL MADE BY COMPTROLLER OF THE CURRENCY UNDER TITLE 12, UNITED STATES CODE, SECTION 161.

Statement of Resources and Liabilities

	Thousands of dollars
Cash and due from depository institutions	805
U.S. Treasury securities	2,481
Obligations of other U. S. Government agencies and corporations	NONE
Obligations of States and political subdivisions in the United States	1,111
Other bonds, notes, and debentures	NONE
Federal Reserve stock and corporate stock	39
Trading account securities	NONE
Federal funds sold and securities purchased under agreements to resell	4,900
Loans, Total (excluding unearned income)	18,315
Less: Allowance for possible loan losses	65
Loans, Net	18,250
Lease financing receivables	NONE
Bank premises, furniture and fixtures, and other assets representing bank premises	368
Real estate owned other than bank premises	NONE
Investments in unconsolidated subsidiaries and associated companies	NONE
Customers' liability to this bank on acceptances outstanding	291
Other assets	26,245
TOTAL ASSETS	

Demand deposits of individuals, partnerships, and corporations	6,667
Time and savings deposits of individuals, partnerships, and corporations	15,964
Deposits of United States Government	12
Deposits of States and political subdivisions in the United States	2,116
Deposits of foreign governments and official institutions	NONE
Deposits of commercial banks	836
Certified and officers' checks	85
Total Deposits	25,580
Total demand deposits	7,600
Total time and savings deposits	18,080
Federal funds purchased and securities sold under agreements to repurchase	NONE
Interest-bearing demand notes (note balances) issued to the U. S. Treasury	166
Other liabilities for borrowed money	NONE
Mortgage indebtedness and liability for capitalized leases	NONE
Bank's liability on acceptances executed and outstanding	298
Other liabilities	26,444
TOTAL LIABILITIES (excluding subordinated notes and debentures)	NONE
Subordinated notes and debentures	NONE

Preferred stock	No. shares outstanding	NONE	(par value)	NONE
Common stock	No. shares authorized	50,000	(par value)	500
	No. shares outstanding	50,000		800
Surplus				428
Undivided profits				73
Reserve for contingencies and other capital reserves				1,801
TOTAL EQUITY CAPITAL				28,245
TOTAL LIABILITIES AND EQUITY CAPITAL				
Amounts outstanding as of report date:				
Standby letters of credit				NONE
Standby letters of credit, total				NONE
Amount of standby letters of credit conveyed to others through participations				5,302
Time certificates of deposit in denominations of \$100,000 or more				NONE
Other time deposits in amounts of \$100,000 or more				
Average for 30 calendar days (or calendar month) ending with report date:				
Cash and due from depository institutions				1,217
Federal funds sold and securities purchased under agreements to resell				4,481
Total loans				18,099
Time certificates of deposit in denominations of \$100,000 or more				4,325
Total deposits				24,415
Federal funds purchased and securities sold under agreements to repurchase				NONE
Other liabilities for borrowed money				NONE
Total assets				26,795

Securities carried at \$ None were pledged as of December 31, 1979 to secure public deposits (including \$ None of the Treasurer, State of Michigan) and for other purposes as required by law.

January 25, 1980

We, the undersigned directors attest the correctness of this statement of resources and liabilities. We declare that it has been examined by us, and to the best of our knowledge and belief is true and correct.

I, Albert L. Huff

President

John C. Verdon

William W. Bowman

Fred J. Romanoff

Directors

of the above-named bank do hereby declare that this Report of Conditions is true and correct to the best of my knowledge and belief.

Albert L. Huff
Signature
OCT 29 1979
Date



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