



Dr. Joseph W. Milner
'Publications will become more specialized'



Dr. Ryan Amacher
'Officials must address problems of transportation'

Life in 2000

McDonald's on the moon, \$6 million houses

By Jay Coleman
Republic Staff

If your idea of planning for the future is deciding where to go for lunch, you're in trouble.

While our minds are consumed with mundane matters such as how to pay the bills and whether to invest in kruggerands, scientists and corporate executives are plotting our future two decades from now.

Seventeen magazine recently asked several noted authorities to predict what life in the year 2000 will be like. These are people whose vision goes well past lunch.

Martin Caserio, vice president of General Motors Corp., said, "It will be possible to create an automobile that only starts when it hears its master's voice."

Of course, the manufacturers will have to devise a method to prevent Rich Little from operating a massive car-belt ring.

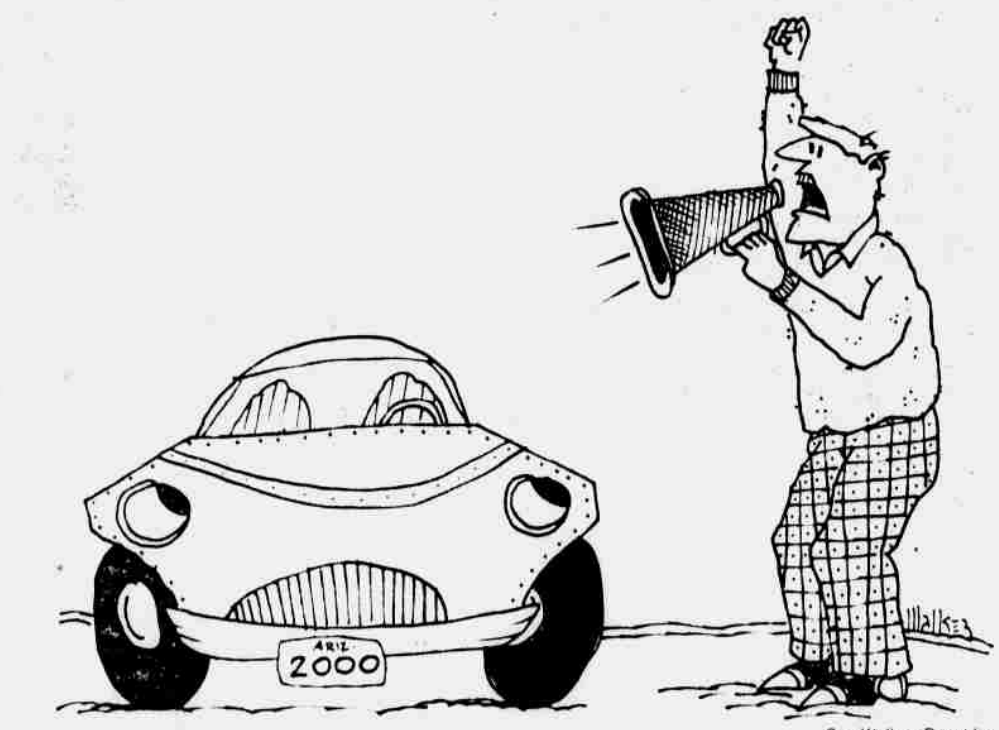
Dr. Joyce Brothers said that before couples have children, they may have to take a test to see if they're qualified to be good parents.

And William Sharwell, vice president of American Telephone and Telegraph Co., said we'll probably be carrying around cordless telephones in our pockets. "No matter where you are," he said, "... the call will find you."

Obviously, someone also will have perfected a portable tape-recorded answering service by then.

But I'd like to think that our technology will have surpassed those meager predictions two decades from now. I see life in the year 2000 this way:

- Sun Devil Stadium will be expanded to 250,000 seats to conform to Pac-56 conference standards for facility improvements.
- Ronald Reagan will fail in his sixth bid for the presidential nomination. Pollsters will show the American people want an older man.
- McDonald's will open the first hamburger stand on the moon, beating its competition, Jack-o-the-Rocks.
- The best-selling book will be *How to Make a Million Dollars and Stay Out of Debt*.



Gus Walker/Republic

- People will listen to music by sticking high-powered miniature amplifiers inside their cars. Doctors will have perfected cadrum transplants.
- Transcontinental flights will be so brief the airlines will only show commercials.
- The average Phoenix house will cost \$6.5 million, and people will talk about the good old days when interest rates were only 73 percent.
- Scientists will develop a communications system with dolphins and find out they don't have anything interesting to say.
- Having exhausted the SALT talks years earlier, world negotiators will resume the orogano discussions.
- Laboratory experimentation with fertility

- drugs and artificial insemination will result in the world's first beaker babies.
- Everybody will remark how young George Burns looks for his age.
- The Chrysler Corp. will offer \$2 million rebates just for taking a test drive in one of their low-mileage space coupes.
- Bert Parks will replace Johnny Carson as *Tonight Show* host.
- Children won't believe the horror stories their parents tell them, such as having to walk five blocks to school in 105-degree temperatures, living without a Betamax and having to share their neighbors' redwood hot tub.

2000, C3

Experts take a peek at 2000 lifestyles

We all laughed when we read the comic strips about Buck Rogers in the 25th century. How do those writers think up such wild inventions?

Suddenly we looked around, and the 25th century was here 300 or so years early. Innovations we couldn't imagine 20 years ago are commonplace today. Technology has changed our lives and opened our eyes to the future.

What will life be like in the year 2000? Forum posed this question to several experts in various fields. Although none of the authorities claims to be psychic, their views do represent an interesting peek into our lifestyle 20 years from now.

Earl DeBerg of Phoenix's Behavioral Research Center, Inc., said productive and efficient uses of resources will become a common goal rather than an issue.

"The next 20 years will be a period of the Great Experiment," he said. "Americans will show the world that we are the imaginative people we say we are, and that will be reflected in the advancements we make. The American people are ready psychologically to put their shoulders to a cause despite the economic realities which sometimes limit us.

"If necessity is the mother of invention — and reality limits the amount of resources we have, but not the demand — we will be forced to devise alternatives. For example, people say solar energy is 20 years away. But when the demand is there, the solution will come a lot sooner."

Dr. Ryan Amacher, chairman of the economics department at Arizona State University, said economic forecasters expect a bright future, a feeling he shares because of his faith in technology.

"The '80s will be adjustment years," he said, "but by the year

2000 we will have solved the problems of solar energy and coal gasification.

"Locally, our public officials must address the problems of transportation or we have the potential of inheriting Los Angeles's problems, maybe to a greater extent."

Computers and electronics will become an integral part of music composition, but they won't replace the human element, said ASU music professor Dr. David Cohen.

"Computers will provide an enormous range of opportunity for the musician," he said, "but the end result will be no better or no worse than the people who use them.

"Instead of composers with extreme individuality, we'll see composers come along and take all the best of stylistic developments."

Cohen said there will always be music nostalgia, but only the best music of the period will emerge, just as people remember the best big band music today and forget the second- and third-rate musical groups.

"The Beatles and any number of very good popular artists will be nostalgia 20 years from now," he said, "but I don't think anybody will be nostalgic for punk rock."

Maj. Robert Bostwick, assistant professor of aerospace studies at ASU, said lasers will have a great impact in energy transformation and communication. And, he added, space travel could be a definite reality by 2000.

"The space shuttle is in initial testing stages now," he said, "and they're working out the bugs to get the shields to stand up during re-entry. But the concept of people traveling from Earth to space stations in reusable space ships is possible in the next 20 years."

Future, C3



Andrew Ludgood
'More radiation'



Bruce Pingree
'Affluence'



Darlene Hayes
'More free time'



Barbara Edwards
'Computerization'

Some citizens aren't hopeful

It could have been the end-of-the-week blahs, the dismal weather of the generally gloomy world outlook, but a random sampling of Phoenix residents on a rainy Friday produced a generally pessimistic view of life in the year 2000.

Andrew Ludgood, who described himself as a pot washer at the Hyatt-Regency Hotel, said, "Atomic warfare will set off more radiation, but with things like Three Mile Island, we're all exposed to it right now."

"The average person today lives to be 65 or 70, but later on it's going to be more like 40."

There will be too many people on the Earth in the year 2000, and it will be very expensive to live, predicted Barbara Edwards, an assistant vice president at Arizona Bank.

"The average income will be twice what it is today for people to be able to live," she said, "and there will be a lot more computerization. Oh, yes. There will still be banks, and I'll be president by then."

Saturno Pasqua, an 81-year-old retired restaurateur, said wheat could be used as a political weapon because the Russians "can do nothing without it."

"Things can't be any worse 20 years from now than they are right now. We have so many problems today... everything is too big. If we ever have a war, God help us all. We'll be in real danger."

Darlene Hayes, a secretary, said there will be more air transportation, fewer service stations

and automobiles, and the remaining vehicles will be powered by generators.

"We'll have shorter work weeks and more free time, like longer lunch hours," she said. "Everything will be a lot easier in the year 2000... in the home, on the job... and children will be taking care of themselves at an earlier age."

But accountant Irene Bacon said things can't go on much longer the way they are.

"Are we going to have a war? Absolutely," she said. "It's inevitable. The world can't go on like it is, and God will put a stop to it."

"I'm not predicting the end of the world, but we have some serious problems like people themselves and power. People don't care about other people, when you're supposed to love other people like you love yourself. People are getting too selfish."

Bruce Pingree, a Phoenix attorney, offered a more optimistic view of life in the year 2000. He said he feels there will be several technological changes, and the energy problems will be resolved.

"I think people in this country will experience a great deal of affluence," Pingree said. "The more worrisome problems will be in the rest of the world. The trend there is toward a certain amount of anarchy which may prove to be uncontrollable."

"But I'm looking forward to the year 2000. I'd like to go into outer space, and I think we'll be able to by then."

Toy soothes infants — by imitating sounds of womb



Tom Story/Republic

Christopher Michael Seck, 8-day-old son of Mr. and Mrs. Harry Seck of Scottsdale, sleeps beside a Rock-a-Bye Bear. Christopher was seven weeks premature.

By Gail Tabor
Republic Staff

A rocking chair and loving arms have been recognized for centuries as the best way to soothe a crying infant.

As mankind progressed, improvements were added, though the basic method remained the same.

A sugar-tit (sugar wrapped in cloth and sucked by the baby) was used extensively throughout the South. Years later, an enterprising mother discovered that dipping the sugar-tit in rum brought miraculous results.

Later on, fussy babies were calmed by the roar of vacuum cleaners (nobody ever figured out why) or long rides in the car. (The latter method worked only as long as the car was moving. As soon as it stopped, little eyes popped open and screaming resumed.)

Now, the aerospace industry has come up with a replacement for the rocking chair and mother's arms. It's the Rock-a-Bye Bear which, at the turn of a tummy knob, emits the watery pulse sounds heard by the baby in the womb.

The ballyhooded bear was developed by Dr. William C. Eller, chief (emeritus) of gynecology and obstetrics at Holy Cross Hospital in Fort Lauderdale, Fla.

He placed an especially designed microphone beside an infant's ear inside the womb just before the beginning of labor.

The sounds were transferred to records

and tapes. The aerospace industry devised a way to get them onto a tiny chip, which is in the bear's stomach.

During testing at the Holy Cross nursery, said a report, 18 screaming infants immediately quieted.

A few nurses, the report added, also began nodding off, which wasn't quite what the manufacturer had in mind.

The bear is supposed to be especially beneficial for premature infants. Crying makes "preemies" use calories. Less crying means faster weight gain.

Phone calls to local hospitals inquiring about use of the device brought varied reactions. The most frequent was "A rock-a-bye WHAT?" followed by snickers and giggles.

Of the hospitals called, only Scottsdale Memorial and St. Joseph's have used the bears.

Pat Moreth, head nurse in obstetrics at Scottsdale, said they've had one for about a week and "We like it. It does work."

Actually, the nursery has two bears, both bought by the mother of a preemie. One was put in the preemie's Isolette, the other was donated for general use.

Ms. Moreth said the preemie's bear calms him, as does the troubadour of the nursery.

"We set it in a rocking chair and turn up the volume," she said. "It's a very soothing sound, like the ocean."

She added that no nurses have been found snoozing on the job.

St. Joseph's has only one bear. That one also was brought in by the mother of a preemie who has respiratory problems.

"The bear really seems to relax her (the baby)," said nurse Darlene Warsing. "We would like to have one (for general use)."

"Perhaps if we had just a tape, not enclosed in a fancy bear, it would be useful," said Ms. Warsing.

An official for another hospital said flatly, "They're too expensive, and we couldn't justify putting out that much money to try one. Also, I hate to tell a mother to spend \$40 on an item she can only use for three months."

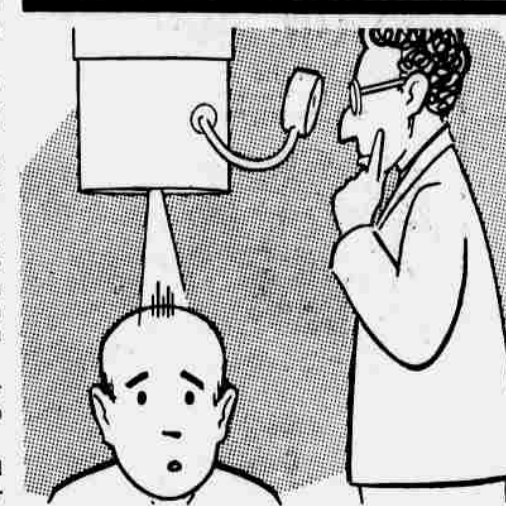
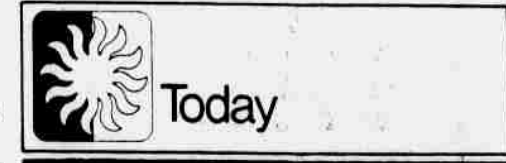
"But if someone would donate one for us to try," she added, "we'd be glad to do it."

Jackie Kuhnert, manager of Richard Bantzen for Children gift shop in Scottsdale, reported that mothers and grandmothers are ignoring the expense and buying full speed ahead.

"We got our first shipment three weeks ago and sold out. We have 200 more on order and have a waiting list," she said.

No one has tested the reaction of the mother to the "muffled whoosh" and "gentle gush" sounds. Possibly, she is calmed more than the baby.

Any bear that doesn't screech "Scooby-doo-doo" has to be a good news bear.



YOUNG SEERS - Fifth-graders foretell scientific wonders of the 1980s, including a machine to induce hair growth on bald heads. C3

ON THE COURT - Hollywood celebrities gather in Scottsdale for benefit tennis tournament. C2

Abby	C2	Obituaries	C4
Astrology	C3	Trivia	C4
Classified	C5	Scrabble	C4
Crossword	C4		

A fifth-grade look at the '80s

United Press International
WEST WARWICK, R.I. — The future won't be lacking for fresh ideas.

David Denomme, a fifth-grade teacher at Notre Dame Regional School, decided one afternoon recently to find out what his 10-year-old students thought the future would be like.

If they are right, times are going to get more mechanized and more convenient.

They predict the 1980s will bring:

- Stereos with memory computers that allow you to just call out the name of a song and hear it instantly.

- Houses that shrink at the push of a button, making moving an easy task.

- Christmas trees that put themselves together.

- Everyone will have a telephone receiver in his ear and a transmitter in his mouth.

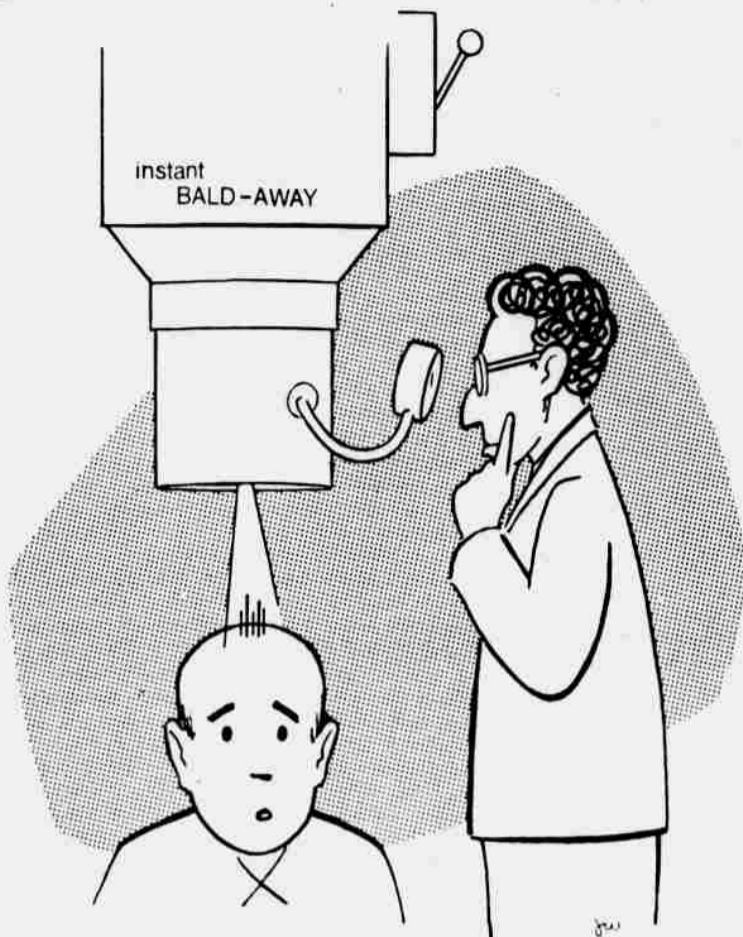
- Shows staged in space.

- Footballs with built-in speakers allowing the quarterback to tell the ball where to go.

- Circus vendors selling never-deflating balloons.

- Pens that write automatically as you speak.

- Mail sent at the



speed of light through vacuum tubes.

- Tennis matches on icebergs because of a shortage of land.

- Machines capable of making bald scalps produce hair.

- Shirts with built-in

stain repellants so effective stains will become extinct.

- Solar-powered cars that travel six inches off the ground and are capable of traveling on land and over water.

Some students also

had a rather self-serving prediction about the future.

They predicted schools will become obsolete and teachers will be replaced by video robot machines allowing kids to learn at home.

barefoot, unshaven and forced to slave over a microwave oven all day.

- Academy Awards nominations will include *Jaws X*, *Rocky XVII* and *Gone with the Gs*.

- As prices soar, status-symbol clothes will bear less-subtle inscriptions such as "I paid Christian Dior \$250 for this shirt!"

- Scientists will discover that the Milky Way causes allatoin.

- Motivational and self-help books will reflect the country's relaxed attitudes. Popular topics will include *Winning Through Indifference* and *How to Cope During the Coming Prosperity*.

Astrological forecast

Jan. 21, 1980

ARIES (March 21-April 19): By making proper inquiries, you could gain access to confidential information. Go after story behind story. A revelation is due. Gemini, Virgo, Sagittarius persons figure prominently.

TAURUS (April 20-May 20): Romance, creativity, opportunity to enhance financial prospects are spotlighted. Don't be afraid to get involved. Circumstances turn in your favor.

GEMINI (May 21-June 20): One who "pulls strings" will pave way for your progress. Be confident and insist on definition of terms. Avoid self-deception. Pisces, Virgo persons figure prominently.

CANCER (June 21-July 22): Obtain long-range view; perceive potential. You receive communication that heightens financial, business opportunities. Older individual is in your corner and proves it.

LEO (July 23-Aug. 22): Avoid direct confrontations. Indirect approach brings desired results. Dig beneath surface indications — you are due to make money discovery. One close to you confides problem.

VIRGO (Aug. 23-Sept. 22): Make new starts in new directions. Highlight greater independence of thought, action. Deal with Leo and Aquarius persons. Legal "maneuver" boomerangs in your favor.

LIBRA (Sept. 23-Oct. 22): Intuitive intellect is activated; you will know what to do and when to do it. Accent on basic issues, necessary services, ways to improve work procedures and health.

SCORPIO (Oct. 23-Nov. 21): You have greater opportunity for self-expression. Imprint style, apply personal touch. Expand horizons; look beyond the immediate and perceive potential.

SAGITTARIUS (Nov. 22-Dec. 21): Stick to basic issues. Be thorough, examine fine print and read between the lines. Review and revise, get rid of superfluous material.

CAPRICORN Dec. 22-Jan. 19): Messages, travel, written material dominate scenario. Member of opposite sex figures prominently. One who feigns indifference will finally show true colors.

AQUARIUS (Jan. 20-Feb. 18): Emphasis on investments, personal possessions, payments, the return of "borrowed material." Major domestic adjustment or change in lifestyle is indicated.

PISCES (Feb. 19-March 20): Your natural qualities surge forward and elevate your standing in community. Pay heed to "psychic impressions." Accent on personality, personal appearances, direct appeals and fresh opportunities for success.

IF JAN. 21 is your birthday you are unorthodox, versatile, a natural entertainer and have marvelous sense of humor. Gemini, Sagittarius persons play important roles in your life. April could be your most memorable month of 1980, a year in which you get on more solid footing and take positive steps toward emotional and financial security.

2000

Continued from C1

- Californians interested in finding their own space will have a field day.

- After discovering a cure for the common cold, doctors will address the problem of the uncommon cold.

- Intergalactic law will require corporations to hire men after that minority group protests being

and putting the pieces back together. The gospel will be presented more simply."

Dr. Joseph W. Milner, chairman of the ASU mass communications department, said Americans will become more dependent on cable television for their news.

"I don't think cable television will ever replace the daily newspaper," he said, "but publications will become more specialized. A newspaper like *The Republic* may be 24 pages 20 years from now.

"Cable television will give people the ability to seek and ask for individualized interests on numerous channels. More items will be purchased through mail order, and television will become as much a tool for the family or the buyer as it is for entertainment."

Free program to aid parents

"Footsteps," a free 20-week videotape program about adults as parents and ways they can handle certain problem situations, will begin Thursday at Harmon Branch Library, 411 W. Yavapai.

A different tape will be shown each Thursday and discussed by participants. The tapes depict a family who must deal with particular problems, including discipline, growing up, play and fantasy, and nutrition.

Future

Continued from C1

Walter Capps, director of the Maynard Hutchins Center for the Study of Democratic Institutions at the University of California-Santa Barbara, said religion will change to include more meditation.

"We're seeing an influx of east Asian sensitivities into Western religion," Capps said. "People will live more simply, learn more about diets, get in harmony with the cosmos and more attuned with the earth.

"Society is suffering from too much fragmentation and complexity, so people will be trying to re-establish coherence

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