

The Annotated Cyell

ENERGY

Mail

Ed. note: The following letter was sent to Lt. Governor Myron Leavitt, and President of the Nevada State Senate, and Paul May, Speaker of the Nevada Assembly.

Gentlemen:
Please enter this statement upon the public records of the Nevada Senate and Assembly, as an open expression of the support of the Libertarian Party of Nevada for the repeal of subsection 4 of Nevada's basic speed statute, added by the 1975 session.

We are opposed to Sen. Ashworth's bill, or any other measure, which would set a fixed statewide speed limit, as contrary to public policy long proclaimed by the Nevada legislature, most recently in the 1975 amendment.

The history of the mandatory motorcycle helmet law, imposed on the states by a threat to deny federal tax money for new highway construction, a threat withdrawn after the California legislature repealed its helmet law, as a result of action by California's congressional delegation, clearly shows that the 55 mph speed limit

is another bureaucratic bluff.

The fact is that federal highway funding, designed to purchase power for the central government by circumventing the Tenth Amendment, like all other subsidization schemes, is nothing more than Congressional incumbent re-election insurance. Senator Hayakawa, rapidly responding to the Western uprising started by the Wyoming Senate, has already introduced a bill to repeal the nonsensical federal legislation on which the 55 mph speed limit is based.

Congress and the "Concrete Lobby" are quite capable of taking care of themselves, without the collaboration of the Nevada Legislature.

I wish to again remind the Senate and Assembly that the District Courts of Clark and Elko counties have twice declared the 55 mph speed limit invalid, on constitutional grounds, and that the present subsection 4, added to the present "basic speed" statute by the 1975 Legislature, purporting to make it unlawful to drive at any speed greater than that set in the section of the U.S. Code referred to,

assuming that the federal provision fixed any speed limit which it does not and could not under the federal Constitution, is unconstitutional on its face is an attempted delegation, indeed an outright abdication, of the Nevada Legislature's rule making power to a foreign legislature.

Yours for Liberty,

John W. Grayson, Jr.
Chairman, Libertarian
State Central Committee

increased burden of highway costs in future state taxes. In essence, the small Nevada population will have to pay for highways which they hardly use. The people who are yelling the loudest for abolishment of Nevada speed limits are out-of-state carpet-baggers and special interest groups who stand to benefit financially and politically on a state government level. Many other inter-state interests merely want to pass through Nevada faster to do business elsewhere.

Don't be fooled! There's more to this issue than fuel economy and highway accidents. This is a rare exception when Big Brother is handy to have around. We can't afford to support the whims of out-of-state speed freaks and impatient local-yokels. Think ahead!

Leonard Stark

*In the interest of furthering intellectual communication The Annotated Yell will consider any and all letters for publication. * While name will be withheld upon request, preference will be given to signed letters.*

The Annotated Yell

Vol. 24, Issue 2
February 14, 1979

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The Annotated Yell is published weekly by CSUN Publications, 4505 Maryland Pkwy., Las Vegas, Nev. 89154. Telephone (702) 739-3478.

Opinions expressed in The Annotated Yell do not necessarily reflect the views of the Consolidated Students, faculty or staff of the University of Nevada, Las Vegas, or the Board of Regents, University of Nevada System.

CSUN Publications is a non-profit organization, and is mailed through permit No. 200, Las Vegas, Nevada.

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Nevada has extensive geothermal resources which, as yet, are untapped. But the state geothermal technology is something which remains vague to the average person. Dr. Richard Wyman examines the energy which can be supplied by our own natural heat.

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The headlines read, "Nuclear Waste Dump Planned". The report was released while the Baneberry trial was making inroads on the public consciousness. But what does the report on future uses of the Nevada Test Site really say? News Team members William Fisher looks at the study from Senator Howard Cannon's office.

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Energy Seminar Held on Campus

Energy management will be discussed in a seminar, "Energy Management for Office Buildings," to be held Feb. 16.

Participants in the seminar will discuss future energy sources and prices, technical details of energy management, performance of available energy saving devices, and the attitudes of those opposing energy management.

Energy savings in electrical and cooling systems and selection of an energy consultant will also be discussed.

Principal speaker for the program will be Victor Ottaviano, president of Ottaviano Technical Services. Consultant, lecturer and author, Ottaviano has conducted seminars on energy saving in industry throughout the United States and Canada.

Contact the division of continuing education for further details.

World's Greatest Rock Climber to Appear

A man often referred to as "the world's greatest rock climber," will present a lecture and slide show at 8 pm Feb. 20, in Wright Hall Auditorium.

Henry Barber has performed many climbs which have earned him the title "Hot Henry."

Barber was the first person to climb the largest free-falling waterfall in the world, a Norwegian fallover 1,000 feet long.

He has served as captain of a United States climbing team in the U.S.S.R., where in 1976, he alone climbed Korea Peak, a treacherous ice and snow laden peak which previously took whole teams of climbers several days to ascend. Barber both climbed and descended the peak in the same day.

CSUN Senate Approves Constitution

The CSUN Senate has approved the revised constitution by a vote of 24 to 2. Following a three-hour meeting held Tuesday, February 6, CSUN President Chuch White commented, "This is the best and most organized constitution in CSUN history."

The most controversial item discussed by the body was Article 6, section S, subsection Ia, which reduced the number

of senators from 28 to 20 by eliminating class seats. The re-appropriation of seats was opposed by College of Education Senator Bruce Bayne, who felt that such removal would "take away a portion of representation of UNLV students."

The new constitution is also devoid of any mention of the Student Union Board, a clause which has been considerably weakened since the first re-write in 1978. Members of the Constitutional Revision Committee explained that a separate document outlining the duties and responsibilities of the Union Board would follow.

The CSUN Constitution revision must now be approved by the Board of Regents before going into effect for Spring elections.

Engineering Job Market Wide Open

The job market is pretty much wide open in the engineering profession which would account for the rising enrollment in UNR's College of Engineering, according to dean Charles R. Breese

Breese said that a four-year study of fall enrollment trends in engineering revealed a growth rate of 43.5 percent. In 1974 the college had 421 students enrolled in classes, but fall 1978 figures climbed to 604 students.

This translates into an annual growth rate of about 9.5 percent and enrollment success appears to be tied to job availability.

Breese explained that while engineering degrees make up only 5-6 percent of the bachelor's degrees earned nationwide by students, engineering graduates get 45-50 percent of the job offers.

"To my knowledge, all of our engineering graduates last year received job offers and some of them got five or six offers," he said.

UNLV Engineering chairman Richard Wyman agreed, saying, "We have an extremely good job market, there is a shortage of applicants. We have inquiries but we don't have enough graduates to fill them."

According to a nationwide survey conducted by agencies such as the Engineering Manpower Commission of the Engineers Joint Council, job prospects will be even better for this year's batch of engineering graduates.

The survey reports that employers in general plan to hire 17 percent more new college graduates this year than last year, but in engineering the improvement is anticipated to increase as much as 40 percent.

continued on next page

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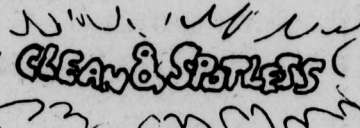
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News Bag

The prediction is that job openings in engineering will continue to soar, and Breese feels there will be a corresponding steady increase in enrollment for UNR's engineering college.

The university's official spring enrollment figures aren't yet computed, but preliminary figures back up increased interest in the engineering profession.

According to records that log student credits in engineering, civil engineering is up 27.6 percent, electrical engineering is up 9.3 percent, engineering technology is up 27.6 percent, and mechanical engineering is up 5.3 percent.

Campus Additions to Meet City Growth

Reflecting the unprecedented growth of Las Vegas, UNLV is planning on adding as many as five new buildings to the campus in the next five years.

A new sports arena, which will have triple the capacity of the Convention Center is being planned. Estimates on this building alone run as high as \$20-25-million.

In addition, UNLV plans to build a new hotel-business building and a fine arts complex. Bills which would approve construction of these, as well as the sports arena, are presently pending in the Nevada Legislature.

A bill to expand the Dickenson Library has already been approved. Construction

of the \$7 million addition should begin sometime this year, pending approval by the architect and State Public Works Board. An open bid on a bond issue concerning the library addition will be held April 6 of this year.

For those anxiously awaiting the building of the new sports arena, however, the news is not good. Realistic expectations for arena completion is about three years.

Tournament Winners to Go to Regionals

The Outdoor Recreation Program sponsored a series of tournaments Feb. 6-10 featuring frisbee, backgammon, billiards, chess, and ping-pong. All winners will be going to San Jose State College for regional competition.

The frisbee tournament consisted of two events. Accuracy, where the discs were thrown through large hoops from 15, 25, and 35 yards away, and the distance event where points were given for long throws, the longest of which was 69 yards. Mike Mauss was the overall frisbee winner and will leave for regional competition, along with other first place winners, during the weekend of Feb. 16-18.

Other first place tournament winners from last week include: Phil Loftus-back-

gammon-male, Kim Ketsy-backgammon-female, Steve Mulvey-billiards, and John Trivett-chess.

Architect McDaniel Honored

UNLV is honoring the architect who designed many of the buildings on campus with the James McDaniel Memorial Exhibit.

The exhibition, which illustrates the late architect's career, will continue through Feb. 23 in Ham Hall and in the UNLV Art Gallery, Grant Hall 122. Hours are noon to 4 pm Monday through Saturday.

A native Las Vegas, McDaniel graduated from the University of Southern California with a bachelor's degree in architecture in 1955. From then until his death in 1977, he contributed to major planning projects throughout the city and state. His designs have won several competitive awards.

McDaniel designed many of the buildings on the UNLV campus--Dickenson Library, Moyer Student Union, Wright Hall and McDermott Physical Education Complex.

"It is my hope that this tribute memorial exhibition will focus an awareness and appreciation of Jim's far-reach-

ing functional and aesthetic influence on this community," said Dr. Rita Abbey, exhibit director.

Legislative Hotline Available

The 1979 Legislative Hotline is now in operation. This system provides current information on the status of bills, legislative votes, committee hearings and any related legislative questions.

The Hotline is available for public use through 21 public libraries throughout the state. The libraries will also have copies of bills, daily histories, and daily journals.

This is the fourth legislative session that the Nevada State Library and the Nevada Library Association have sponsored. The Hotline and librarians throughout the state emphasize its importance.

"Prior to the 1973 session, when the Hotline was developed, people could only get detailed legislative information from individual legislators or in some cases the Legislative Council Bureau," explained Chuck Manley, Washoe County Reference Librarian.

Douglas County Library Director Yvonne Saddler said the Hotline has been well used during previous sessions, perhaps because there is no cost for the patron.

"Most Nevadans can't travel to Carson City during the session just to get the information they need. By using the Hotline, they can get the information simply by calling the public library," said Ms. Saddler.

OUTDOOR RECREATION DAY

A full day of fun while you learn about the outdoor recreation equipment and opportunities available to you.

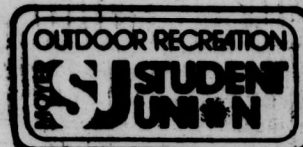
- Exhibits
- Demonstrations
- Sky Divers
- Music
- Refreshments
- Ping Pong Ball Prize Drop

Friday, February 16, 1979

10 a.m. — 3:30 p.m.

Ballroom

Moyer Student Union
University of Nevada, Las Vegas



OIL RESERVATIONS

AS WE BECOME LESS SURE OF OUR ARAB OIL SUPPLY,

GOVERNMENT MISMANAGEMENT HAS MADE US MORE VULNERABLE THAN EVER

BY GRANT TAYLOR

Five years ago the durability and spirit of the American people was tested by the Arab oil embargo. As Americans we suffered; confused and angered by the fact that a handful of Arab countries could force us to change our lifestyles. We survived the embargo--and became painfully aware of our finite energy resources. However, we were determined not to be caught off guard again, and we expected the government to respond with quick and decisive action. At that time the government took steps to create a Strategic Petroleum Reserve. This reserve, through mismanagement, has yet to get off the ground. Five years after the fact, the United States still finds itself without a usable reserve of crude oil.

The blame lies at the feet of federal energy officials who have turned the job of creating the national emergency oil reserve into a comedy of errors.

The idea of an oil reserve was conceived during the Ford administration and \$25-billion was set aside for this 1 billion barrel reserve. The location was even decided upon. Oil was to be stored in salt caverns along the Gulf Coast.

From these noble plans arose enormous problems which seemed to grow larger with every click of an energy official's pen. Carter ordered 250 million barrels of oil to be stored by the end of 1978. In fact, only 70 million barrels of oil will be stored by that date and even this cannot be used because the equipment has not been installed to pump the oil out of the ground. Also, the cost of storing that much oil has gone from \$1.53 per barrel to \$3.50 per barrel today. In addition, some of the salt caverns were deemed unusable by the government. Unfortunately, many of its problems with these caverns were discovered after the fact.

Repetitive work, constant errors, cost overruns, and a bureaucratic nightmare have turned the acquisition of an oil reserve into a fiscal migraine.

Partially as a result of this, the government has decided not to spend for the final one-fourth of the billion barrel reserve. General Joseph DeLuca, the project's director, is even considering "turning the final stages of the project over to private industry." Despite this, DeLuca is optimistic about the future of the program and says, "160 million barrels should be underground by next September."

Although the project has been misman-

aged, some legitimate problems do exist. It is a large-scale operation being attempted with a considerable amount of untested technology. As a result, costs and schedules have been difficult to anticipate with any degree of accuracy. Also, managers have tried to rush the project so that the oil could be bought at a cheaper price, as in most hurried projects, serious mistakes have been made.

It seems even planners are not sure we need a billion barrel reserve; possibly 750 million barrels are all that are needed. The good news is, cutting the reserve to 750 million barrels would save taxpayers about \$6 billion.

The most intriguing aspect of this policy may very well be that James Schlesinger seems to look at this reserve as a bargaining tool in the advent of future problems with OPEC. Indeed, the Department of Energy has said, "A large reserve is an important deterrent to having an embargo occur." Also, there is talk of using the reserve as an added tool on affecting market prices and conditions.

Clearly, this is a more rational expectation of the value of the oil reserve. During severe winters this reserve could be diverted to areas where shortages occur and help alleviate suffering and higher prices. Even at the negotiations table, OPEC would be less likely to institute another embargo if faced with an oil reserve in the United States. This is a powerful incentive, since any type of embargo would also hurt OPEC financially, as well as affect long run demand for its product.

Whatever the advantages of an oil

reserve, care has not been taken in its planning. Costs of linking the reserve into pipelines for distribution as well as the cost of inflation was simply not taken into account. This has already pushed the cost up by more than 40 percent.

The testing of the salt caverns used for storage have been relaxed, at best. For example, caverns originally tested were expected to hold 331 million barrels. Later these same caverns were found to be capable of holding only 244 million barrels. As a result, new cavern space had to be made, driving the price of storage up from \$1.53 per barrel to \$3.50.

Another blunder by the DOE cost the taxpayers \$8-million. This was in demurrage fees to tanker owners who could not unload their cargo on time because the storage was not ready.

In fact cost overruns have gone so unchecked that managers have tried to dip into dollars earmarked for oil purchases so that construction could be completed. Congress would not give its stamp of approval for this.

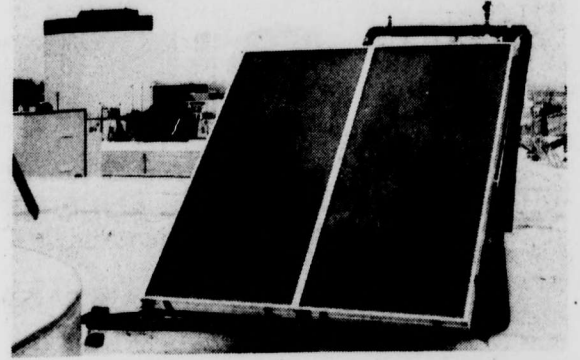
Even President Carter is not totally blameless. Carter insisted that the entire 1 billion barrels be in storage by 1985. This is double the goal set by President Ford just two years earlier.

If these problems continue, and there is no reason to assume they won't, Gen. DeLuca wants to engage a fail-safe system for the last 500 million barrels. Under this system private companies would be selected to buy and store the oil themselves. Later, these companies would either sell or lease the entire results back to the federal government. This plan would be far more efficient and less wasteful of taxpayers' money. However, Congress not eager to show that the federal government cannot do a job that is one of its basic responsibilities, would fight this plan should it become necessary.

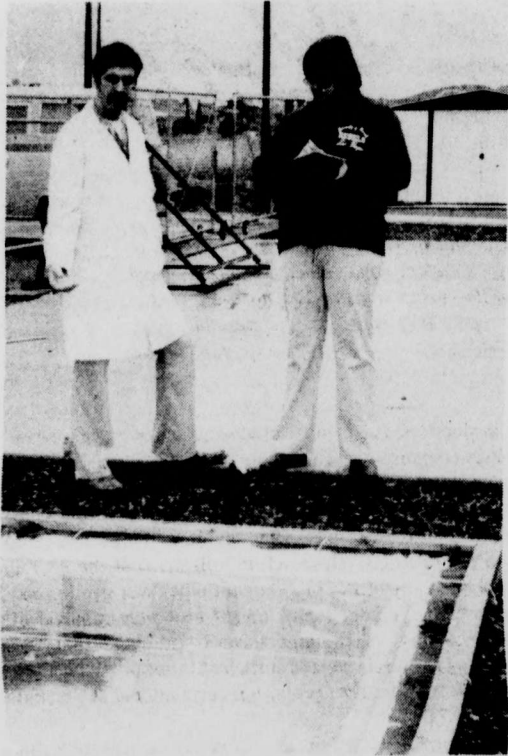
Whatever the most effective way of getting this all-important oil reserve project off the ground, we can only hope that Congress acts with uncharacteristic speed and decisiveness on the matter.



ENERGY



Solar technology is being used to heat water for the telephone company atop Centel's Fremont Street facility. The two solar panels are used to maintain an 82 gallon water tank at 150 degrees year-round.



DRI researcher Tom Ochs demonstrates a "solar pond." One of the problems facing solar energy is materials needed for collection are often prohibitively expensive. The solar pond, filled with borax to trap heat at the bottom, represents effective, inexpensive solar energy.

THE FADING OF SOLAR DREAMS

What ever happened to solar power? A few years ago, solar power was hailed as the cheap, non-polluting answer to our nation's energy needs. Everything will be solar in 30 years, promised Ralph Nader. However, a second, more pessimistic look was recently taken by Dr. Michael Noland, deputy director of the Department of Solar Energy: "We can and should be very proud as a nation if solar power provides seven to 10 percent of our energy by the beginning of the 21st Century." Are we seeing the dimming of the solar dream?

The problem, according to Tom Ochs, research associate with the Desert Research Institute's solar research lab in Boulder City, is government. "Because of political considerations, the federal government has hurt solar research," Ochs comments, explaining that money which has been used to showcase inefficient, state-of-the-art programs could be better used for research.

Ochs noted that government tax incentives are given to large companies such as General Electric, rather than to small research companies. "Solar power is poorly understood by these large companies. When is the government going to realize that their assistance is going to mass produce inefficient systems? We sink money in projects in order to demonstrate technology. We don't need demonstration. What we need is refinement."

In contrast, Ochs said that state support has been very "far sighted."

The danger of current governmental policy is that people will become disillusioned when solar energy does not live up to the promises of science fiction technology. "Many people are becoming disillusioned and cynical. They are afraid to get into it now." This fear is echoed by Dr. Petr Beckmann, professor of electrical engineering at the University of Colorado, who fears a "backlash from a disillusioned public."

Ochs said no one can accurately predict the percentage of our energy needs solar power could reasonably supply.

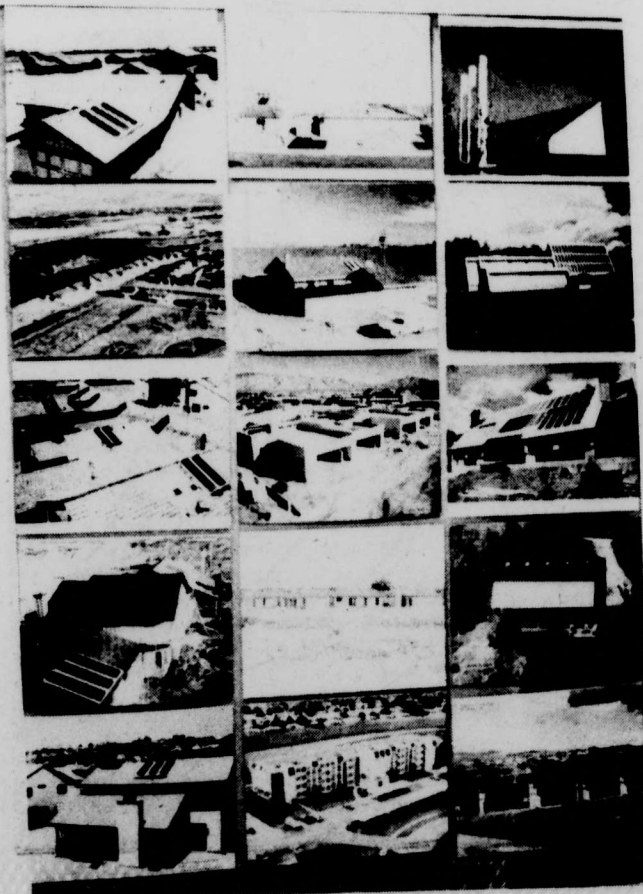
But the future of the sun's energy could lie in passive solar design, an architectural technique which emphasizes windows with southern exposures and better insulation techniques. "This is unfavored by the salesmen, of course, because there is nothing to sell, but the proper solar design could reduce the heating and cooling needs of our buildings by 50 percent."

Ochs said architectural schools should begin teaching passive solar techniques, and that all state funded buildings should be built with such techniques in mind.

Other uses of solar power could be a domestic hot water heating and swimming pool heating, Ochs noted.

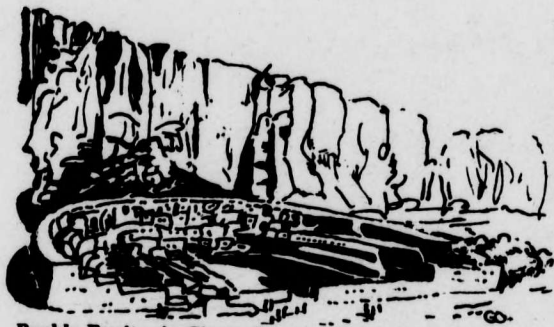
"The timetable is very debatable, but we have to start using some kind of renewable resource, and solar is one of the most promising," Ochs said. "Depending on foreign sources of energy could eventually create chaos in all sectors. Inflation and the devaluation of the dollar can all be traced back to energy."

solar applications



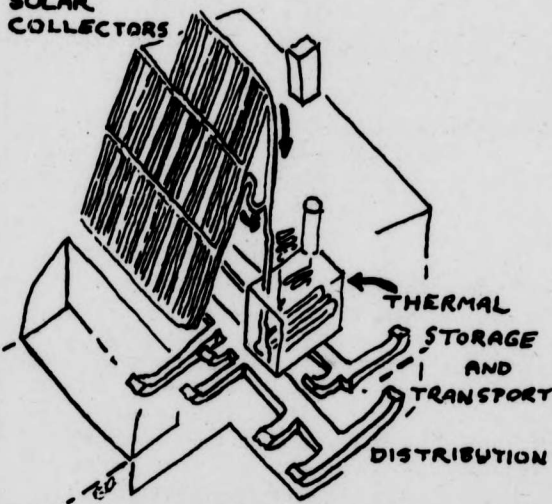
"Harnessing the sun's energy" was a topic of much interest at the National Home Builder's convention. The Energy Daily reports the federal government is shifting away from demonstration projects like these and is leaving it up to private industry to popularize solar technology. Firms such as LOF Solar Energy Systems and Solar Systems of Las Vegas are doing just that. While government funds allocated to solar demonstration projects are declining the Department of Energy asked for a 40 percent budget increase in this area, only to be turned down by the Office of Management and Budget.





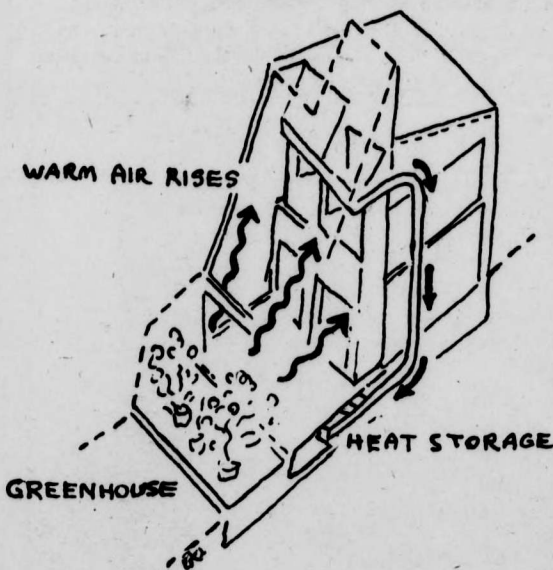
Pueblo Bonito, in Chaco Canyon, New Mexico and now in ruins, was built by Indians in the 10th century. A hemisphere 520 feet in diameter, its plan was based on the Summer and Winter solstices, so that all its surfaces were exposed to more sunlight in the Winter than in the Summer. The result was that the buildings' temperatures remained constant in all seasons.

SOLAR COLLECTORS



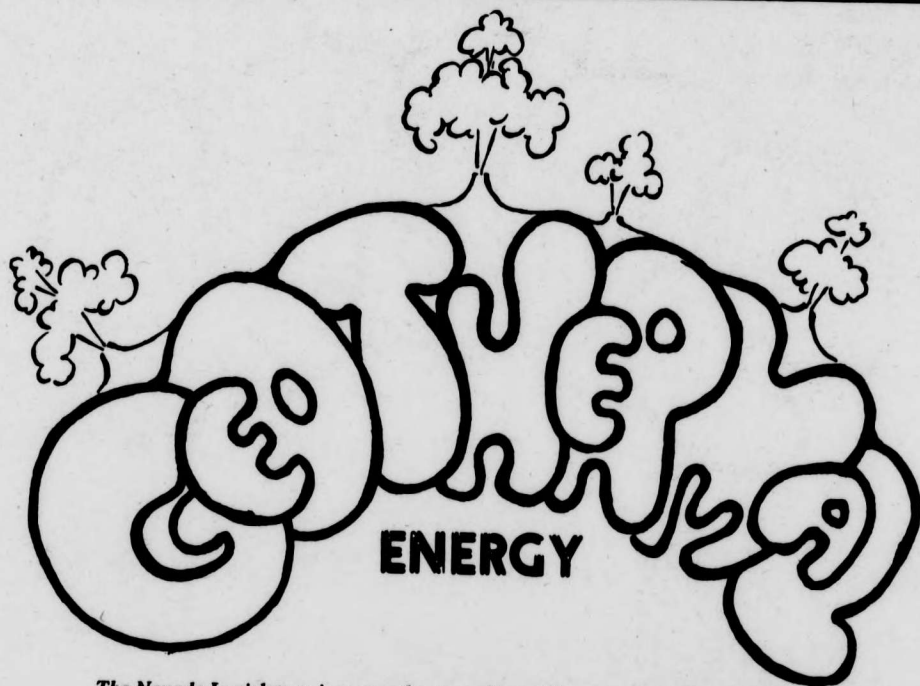
Active heating system has solar collectors feeding directly to a heat storage unit, which, in turn, distributes warm air through ducts.

PASSIVE



Passive heating system returns warm air at top to rock storage below.

The above diagrams illustrate the difference between active and passive solar design. A major problem facing with solar energy technology is the high cost of materials needed for active systems, which keep them from being cost effective. While passive solar techniques have been used in the Southwest by Indians for over a thousand years, they are not popular with modern solar firms, because, in the words of researcher Tom Ochs, "there is nothing to sell." Ochs said all building constructed today should be designed with passive solar techniques in mind. Through such measures heating energy use could be cut in half, Ochs explains.



The Nevada Legislature is currently struggling with an energy policy which, it is hoped will insulate the state from economic decline should there be a major energy crisis in the coming years. Not only would an energy shortage hurt Nevada's tourist-based economy, the state must import 98 percent of its energy needs. The hope is that the Southwest can develop its three major potential energy sources: geothermal, wind, and solar energy. In the following article, UNLV's Dr. Richard Wyman examines the state of the art of geothermal energy.

Geothermal energy can be defined as that energy which is stored or created within the earth. In the top few miles of the earth's crust there is sufficient energy available to provide all of the power needs of the world if it can be harnessed successfully.

The sources of geothermal energy fall into several types: 1) hydrothermal which includes dry steam, wet steam, hot water and hot brines; 2) hot dry rock, which include recently active volcanic sources where water is absent; and 3) geopressure zones where water and gas bearing sediments have been buried at great depth creating heat due to both compression and depth.

Historically, geothermal energy has been used for hot bath and space heating since ancient times. It was used extensively in Iceland in AD 1300. In more recent times dry steam sources have been utilized on a commercial scale for generating electricity at Larderello, Italy; Wairakei, New Zealand; Geysers, California; and Cerro Prieto (Mexico), Mexico. Dry steam with minor amounts of dissolved gas or solids is readily usable in conventional steam turbines and utilizes known technology. The problems of development are mainly economic.

Hot water systems usually contain dissolved salts, in some cases up to 25 percent by weight. These brines present great problems of corrosion and disposal of the dissolved mineral. Also, because they are at a lower initial temperature, there is much less energy available for recovery. Research is currently directed at corrosion prevention, well scale control and reinjection of waters.

Utilization of unique designs of power plants have been proposed, such as the "binary cycle" in which hot brines circulate in a separate closed system in order to heat another liquid (isobutane) which has a lower boiling point. Gas from the boiling of the second liquid is used to drive an electric turbine. The San Diego Gas & Electric Co. has built an experimental 10MW plant of this type in the Imperial Valley. Lawrence Livermore Laboratories has been developing a "Total Flow Concept" power module in which the heavy brine is expanded through a nozzle, with the fluid jet driving an impulse turbine. They claim a higher thermal efficiency than the binary cycle (18 percent vs. 11 percent).

The third type of geothermal source--hot dry rock, has never yet been utilized successfully. The Department of Energy has studied the sites at Valles Caldera, New Mexico and on the Island of Hawaii, but as yet there has been no way discovered to utilize this heat. Most proposals involve fracturing the rock and injecting water into the thermal area, then recovering the steam created for use in a turbine-generator.

Problems of the hot-dry source include drilling and preserving the holes, methods of fracturing the rock, controlling the introduction of water and controlled recovery of steam, as well as disposal of dissolved solids and spent liquids.

The fourth source, geopressured areas, are principal-

ly in deep areas of the Gulf Coastal states. These hot brines contain large amounts of methane gas as well as thermal energy. They are also under sufficient pressure to consider the recovery of mechanical energy from fluid pressure at the surface. The magnitude of the source is well documented. Research in utilization of the source involves many of the problems of other wet geothermal areas with the added problem of economic removal of methane gas. Estimates have been made that the methane resource alone is sufficient to supply the United States for hundreds of years, but certainly not at present prices.

Geothermal research also involves exploration for suitable sources. Because of the low thermal conductivity of rock and soil, most suitable geothermal sources are not at all obvious at the surface. Exploration for these sources is in its infancy, using principally geophysical methods used in the oil and mining industry such as seismic refraction, electrical resistivity, heat flow, as well as geochemistry of ground waters. Most geothermal sources are not usually near the population centers of the country, and their development will either require relocation of population or power lines to distribute the power created.

Warm water, at temperatures less than boiling point, is found in most localities. It cannot be used for electric power generation but it can be utilized in other ways to save on fossil energy consumption. Particular uses include home heating, greenhouses, and industrial process heat. At Brady Hot Springs east of Reno a plant is now in operation using this source for food processing.

Environmental problems have come to the forefront in recent years and several of these involve geothermal exploitation. When water is removed from the earth there may be land subsidence, as we have seen in the Las Vegas Valley. This also happens with geothermal water. To prevent this by re-injection of cooler water is not as easy as it appears, but can be done successfully.

Most thermal waters contain some amount of non-condensable gas such as H₂S, HF, and CO₂. If these exceed tolerable levels, they create a problem of capture and disposal. Most thermal water also contains salts which are difficult to dispose of in an environmentally acceptable way.

Nevada has vast geothermal potential, second only to California. Development of these resources would immensely benefit the state, reducing the dependency on imported oil, and also enable the development of a healthy industrial base to the economy.

Practical use of geothermal energy is still in its infancy, but its commercial utilization is far ahead of other alternate sources. The energy of the earth's interior is inexhaustible and only the easily recoverable sources have been touched. It has an advantage over solar energy in that comparatively little space is required to provide an energy recovery installation on what should be an inexhaustible source of heat.



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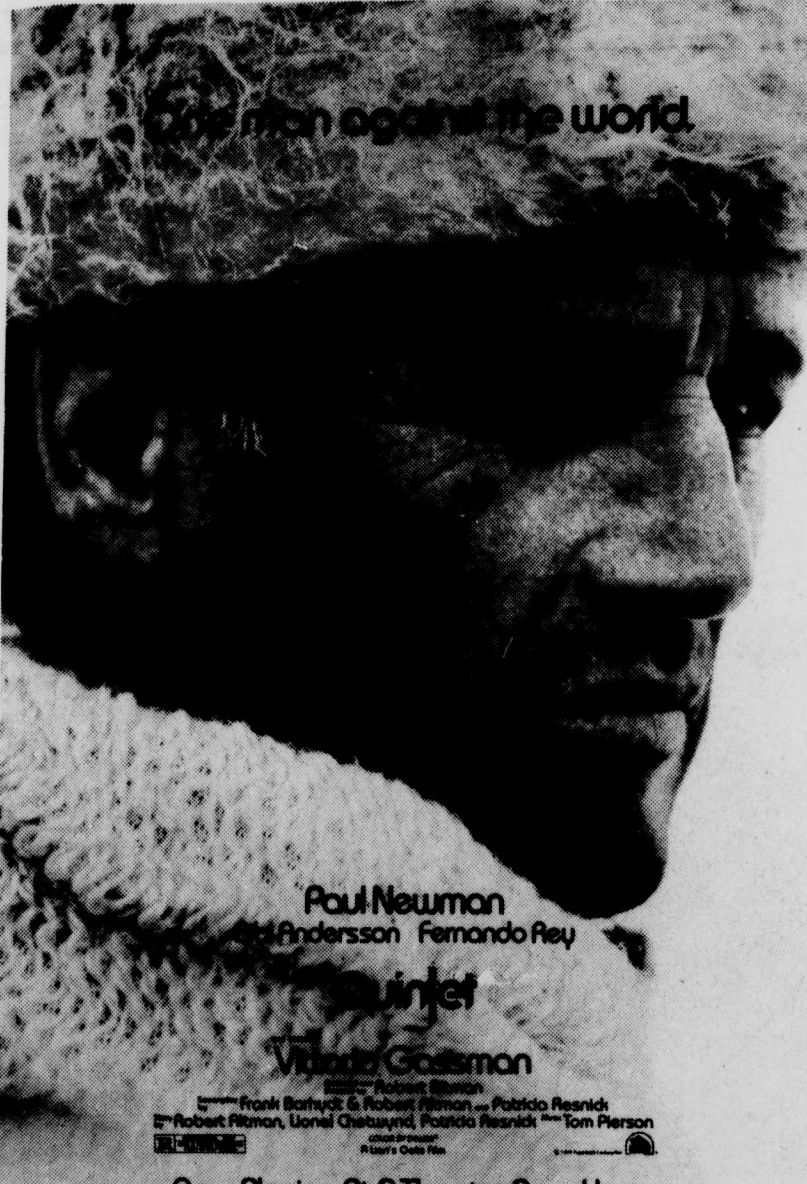
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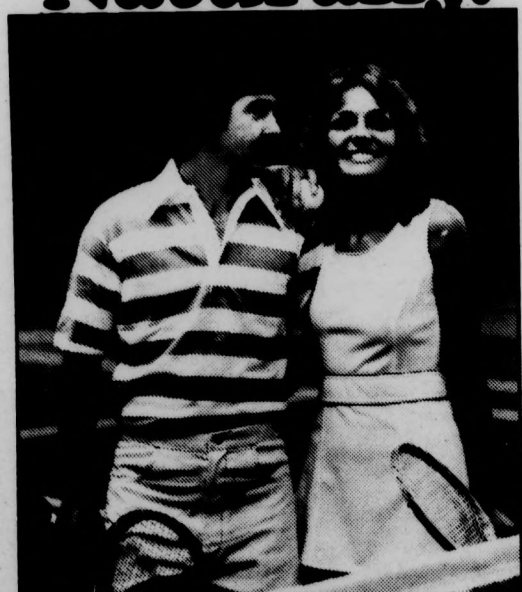
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SOLAR ENERGY

CARTER SEES THE SUN AS OUR ENERGY FUTURE

With the future of fossil fuels uncertain and nuclear energy a political bomb, the Carter administration's 1980 energy budget is reflective of a move towards more "exotic" systems to meet the energy needs of the future.

Solar programs are not only popular with Robert Redford and Jane Fonda; the sun is receiving major attention from the government. The Department of Energy (DOE) wants to spend \$844 million on solar programs in 1980, a 17 percent increase over this year's budget.

Federal programs will focus on research and development of photovoltaics, solar thermal energy, and biomass.

Photovoltaics, which emphasizes direct electric energy production from solar heat, and solar thermal energy, or "solar power towers" will be emphasized.

Biomass, which involves fermentation processes to produce alcohols and gasses, as well as such projects as producing fast growing trees for direct combustion or gasification, is also receiving priority in government funding.

The following is a partial breakdown of the \$10 billion DOE budget for 1980. Administrative funds and tax credits are not included.

(In millions of dollars)

Atomic energy defense activities	2,960
General science and research	453
Energy supply research and development	2,628
Fossil energy research and development	700
Fossil energy construction	73
Energy production, demonstration and distribution	119
Energy conservation	636
Strategic petroleum reserve	1,961
Energy information	83
Geothermal resources development fund	1

The DOE's wind energy budget is also on the upswing. \$20 million has been slated for small wind systems designed primarily for farm and irrigation purposes. \$6 million will go for intermediate size systems represented by windmills operating in New Mexico and Puerto Rico, as well as two others under construction in Rhode Island and Hawaii, which generate electricity in the 100-500 kilowatt range. A 200 kilowatt system in Clayton, New Mexico has already generated 250,000 kilowatt hours in its first year of operation, according to the DOE, more than any equivalent wind energy system in utility except Denmark's Gedser machine.

An additional \$24 million is budgeted for large-scale systems in the 2-2 and-a-half megawatt range. The first two megawatt windmills, termed "Mod-1", is scheduled to begin operations this coming April in Boone, North Carolina. DOE is considering the construction of three or four such systems, depending on the success of "Mod-1". "We'll have a better idea where the large-scale program is going after the Boone windmill begins to turn," notes one DOE official.

Ocean based energy technology is also being considered. Research into the possibilities of drawing energy from ocean heat, as well as from waves, ocean currents, and the differences in salinity levels are being considered. While ocean thermal energy is receiving less attention, other ocean research expenditures will double in 1980.

THE NEVADA TEST SITE

BIG PLANS ARE BEING CONSIDERED FOR NEVADA'S ENERGY FUTURE

BY WILLIAM FISHER

Could Southern Nevada become the energy research and development capitol of the world? Such a novel idea might well become reality if the federal government adopts many of the recommendations of a recently released report on future uses of the Nevada Test Site (NTS).

Faced with the growing probability that the United States will sign a comprehensive test ban treaty with Russia next year, a move which could hurt the Nevada economy, former governor Mike O'Callaghan, with the support of the congressional delegation, last April appointed an ad hoc committee to study the test site's operations and recommend programs for future full utilization of personnel and resources.

In the 200-page report, released last month, the committee broke down the possible future programs into three general categories. They are (1) nuclear test "readiness related" programs, (2) other on-going programs and projects, and (3) new programs. This last group consists mainly of energy research and development programs, including several solar energy projects, a large scale fusion engineering facility, and other futuristic projects.

terrain at the test site "to determine if they or similar ones elsewhere are suitable for a repository for long term isolation of high-level radioactive wastes." Under a pilot program, NTS is already being used for nuclear waste storage. The second of 19 shipments of radioactive material has already arrived and will be stored under over a thousand feet of Yucca Flats desert.

"It will be crucial by the year 2000," says DOE spokesman Robert Nelson. "There will be a tremendous pressure to solve the problem (of nuclear waste storage) before the tests go out."

Another use of the test site could be used for is in the protection of nuclear materials. The Search and Nuclear Detector system could be used to detect missing materials to respond to terrorist threats.

The Nevada operation office of the DOE presently has the responsibility for the management of peaceful nuclear fusion verification activities in foreign countries. It has a highly trained group of personnel for this purpose. This could serve as the nucleus of a larger team to be used for the verification of the Soviets' and other nations' compliance with international treaties.

Other programs listed in the on-going category

65 MILES NORTHWEST OF VEGAS, THE FATE OF THE 1350 SQUARE MILE TEST SITE IS NOW IN THE HANDS OF THE FEDERAL GOVERNMENT

The committee feels that these projects are vital not only to the Nevada economy, but to national security as well. As the report notes, "Currently, all United States nuclear explosive tests are conducted at the Nevada Test Site; it is the only site available to the U.S. for such tests."

In 1961 the Soviets suddenly ended the 1958 nuclear test moratorium with a "vigorous...well planned and heavily staffed nuclear test series." This, according to the report, was obviously due to the Russians using the moratorium for research planning and by maintaining the readiness of facilities and personnel.

The U.S., on the other hand, had not maintained a major test preparation program (REECO, the site's largest civilian employer, had a drop in employment from 2250 in October 1958 to 850 by late 1959). As a result, the study states, it took three years for the U.S. to catch up.

Having a sound and active test site readiness program is therefore vital to national security interests, the committee argues.

The Department of Energy and President Carter have both acknowledged this readiness role as important to the nation, and have given their general commitment to the program.

The report estimates that even a full and active readiness program would employ only about half of the present NTS employees. This would mean a loss of about 6700 jobs and at least \$31-million in spendable income to the state. Therefore the committee feels it is important not only to create a readiness program, but to institute new programs as well.

One on-going projects is the Liquefied Natural Gas facility where LNG accidents would be deliberately created in order to study the behavior of the volatile explosive. "Tests will be run to study vapor generation and dispersed pool fires, flame propagation in dispersed clouds, ball formation, and rapid deflagration or detonation. The facility would, by virtue of its geographical isolation, be able to study the effects of LNG accidents in more crowded areas.

Another major project is the testing and evaluation of

include satellite tests against the theft of nuclear materials, laser movement studies, continuing cleanup of radioactive waste at the test site, and geothermal studies.

There are also several exciting and futuristic projects proposed under the heading "new programs." Among the most highly recommended is the solar energy development area. These include an overall solar research and development center which would encompass a solar thermal chemical production and demonstration plant, solar satellite development, and a micro-wave receiving station and solar testing laboratory. Other highly recommended new projects are a drilling research center, a fusion engineering facility, and a Consolidated Department of Defense Master Measuring Standard Laboratory.

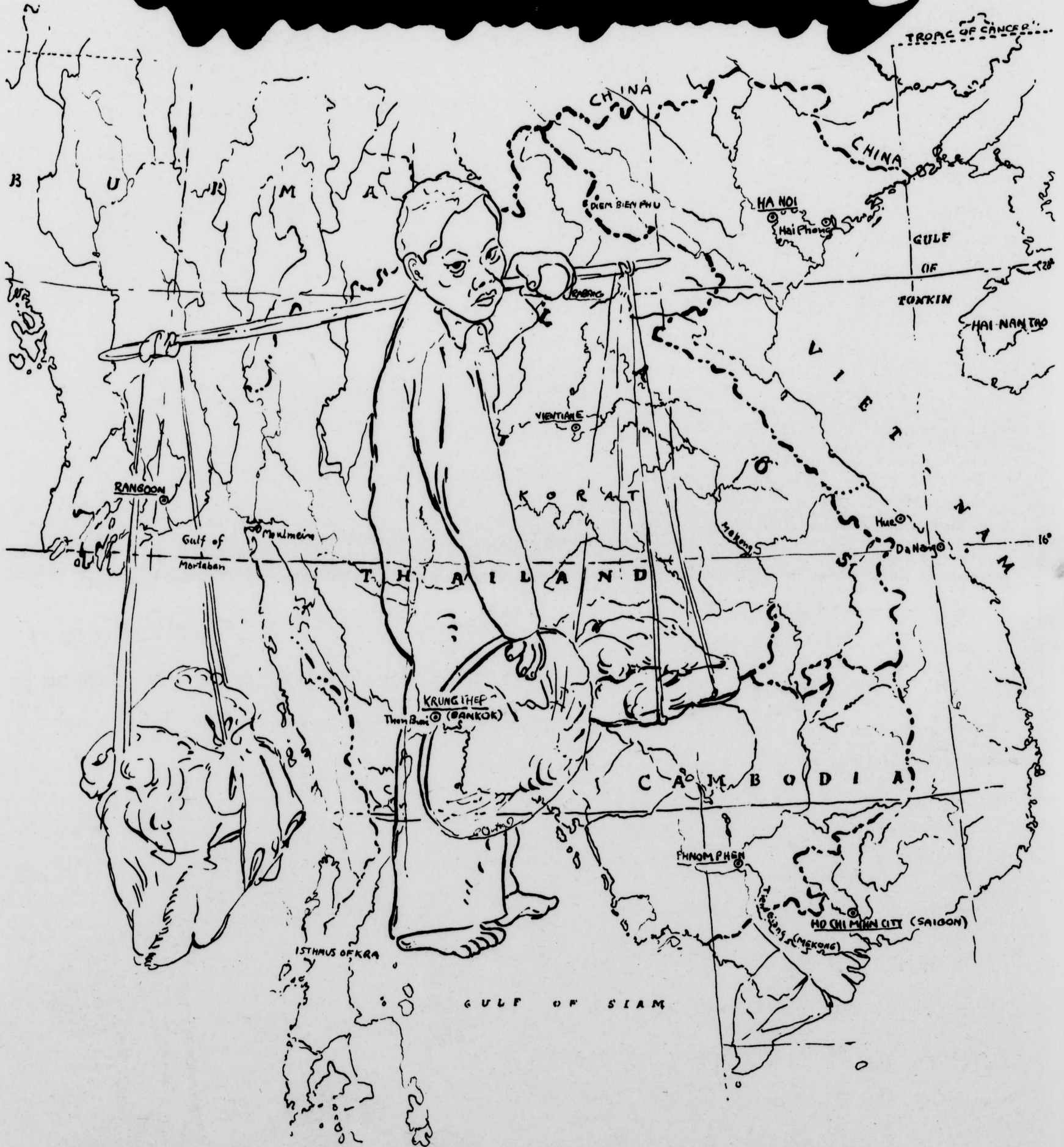
More exotic and less immediate proposals include a laser fusion facility, an accelerator and particle beam facility, a large scale energy park, and a facility to study mining of fusible materials from nuclear cavities.

The committee members and the Nevada political leaders who initiated and supported it deserve credit for a foresighted policy that has approached a foreseeable problem while there is still time to take positive action to provide constructive and beneficial alternative programs which would forestall the negative impact of a sudden and large scale cutback in test site activity.

We can only hope that the Department of Energy will also act responsibly by formulating an adequate readiness program and also make plans on expanding other current Test Site projects and seriously consider promoting new programs, such as solar energy related ones, which would be well suited to Southern Nevada.

Our only question and reservation concerning the report's recommendations is that we feel that whoever is responsible for developing and conducting a nuclear waste storage and isolation program proceed with the utmost caution and conduct the most thorough research and testing before they provide for any long-term storage of radioactive materials. Also, there should be a complete, open, and public discussion on this matter before any final decision is made.

Weltanschauung



Indo-China: A Family Affair by Marc Templer

Judging by the reaction of State Department officials, it seems as if the Vietnamese invasion of Cambodia has taken us by surprise. Of course it is sometimes difficult to tell just what has or has not taken us by surprise, since so much of this nation's foreign policy is conducted clandestinely. In any event, the Vietnamese have

apparently toppled the indigenous Pol Pot government and replaced it with another culled from those Cambodians who succeeded in escaping their country during the Pol Pot regime.

The implications of this action are currently trying to be understood. Prevailing wisdom is that the

Cambodian-Vietnamese War is a proxy war between China and the Soviet Union, whose respective clients, Cambodia and Vietnam are another aspect of the growing struggle between these two Communist powers. Accordingly, some civilian and governmental authorities point to the increase of Chinese troops along the

'... to suggest that either Vietnam or Cambodia would allow themselves to be used as 'pawns' on a chessboard by the Chinese and Soviets is to misunderstand and underestimate the peoples of these two countries' 11

Sino-Vietnamese border as a sign of the great danger facing world peace, envisioning a scenario in which China invades Vietnam either in support of her client Cambodia, or to put a stop to Vietnamese expansion throughout Indo-China. The great fear in this scenario is that the Soviet Union would take direct military action against the Peoples' Republic in support of Vietnam. Taiwan, Japan, and ultimately the United States would become embroiled: World War III.

Nevertheless, other commentators take an altogether different view. They see the current war between Cambodia and Vietnam as an extension of a series of conflicts between Vietnamese, Cambodians and Thais dating centuries back. The peoples of Indo-China have been battling each other for as long as recorded history, interrupting their warring when faced with a foreign threat such as the Chinese in 900, the Mongols in 1200 and the French and Americans in this century. The present fighting in Indo-China should not be viewed as part of the global struggle between the two Communist super-powers, but rather as a strictly family affair occurring whether there was a Soviet Union and Peoples Republic or not.

Vietnamese, Cambodians and Thais all possess distinct cultural traditions and all have, at one time or another been dominant powers in Indo-China. However, in 1600 Cambodia was overwhelmed and divided by the Thais and Vietnamese, and ever since, Cambodia has been a rich and coveted prize over which the two have fought. This struggle was interrupted in the late 1800's with the arrival of the French, and when all foreign powers were finally ousted in 1975, it took only a brief

three years for the pattern of centuries to reassert itself. Thus, the fact that China supports Vietnam is coincidental to the current fighting. In fact, to suggest that either Vietnam or Cambodia would allow themselves to be used as "pawns" on a chessboard by the Chinese and Soviets is to misunderstand and underestimate the peoples of these two countries. Having gotten rid of both French and American control, it is most unlikely they will let themselves become the servants of anyone else. As for the massing of Chinese troops on the Vietnam border, this is not a prelude to a Sino-Vietnamese war. Nor is the reason for the build-up. From a strategic point of view the move becomes clear. Contrary to reports of a Vietnamese "blitz" in Cambodia, the remnants of the Pol Pot forces are still holding out in the Northwest and Southern provinces of the country. The Chinese build-up per force requires that more Vietnamese troops be sent to the border area to maintain the status quo, tying down troops that could be better used against the remnants of the Pol Pot regime in Cambodia. Further, the financial costs of a Chinese invasion of Vietnam would seriously hamper China's drive toward modernization, the number one priority in China today.

If there is any fear of an enlarged war coming out of the Vietnamese invasion of Cambodia, it is over a possible clash between Vietnam and Thailand. The Thais are very anxious over the Vietnamese march through Indo-China, especially since Vietnamese control of Cambodia, and for all intents and purposes, Laos, precludes Thailand from securing provinces within those two countries the Thais historically consider theirs.

Thailand is currently supplying the Pol Pot forces in Northwest Cambodia, a move not calculated to endear Thailand to the Vietnamese.

Another nuance is the reproachment between Thailand and China. Part of our sphere of influence during our war in Indo-China, Thailand requested the removal of the American military presence after the Communist victories in Cambodia and Vietnam in early 1975, and now faces an enlarged and aggressive Vietnam without the benefit of a super-power sponsor. Thus the Thais have found it necessary to open communications with the only nation outside of Indo-China that would conceivably give council to their fears. Moreover, there are large numbers of ethnic Thais living in China, the presence of whom would naturally intensify any Chinese reaction to a Thai-Vietnamese confrontation.

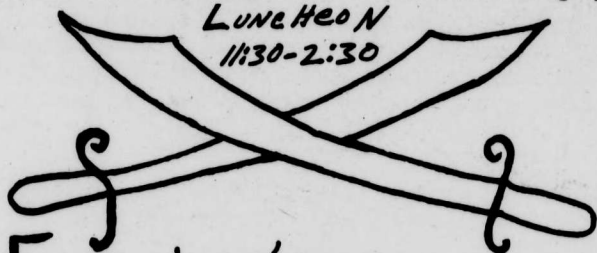
What can and should the United States do in response to the Vietnamese invasion of Cambodia? The Pol Pot regime was one of the most sadistic in human history, and if the madness it perpetrated upon its own people had been stopped from an invasion from Mars, we should have been thankful, an opinion which, interestingly enough, is held by both Sen. George McGovern and William F. Buckley. We should offer our sympathy to the Cambodian people and consider providing help should it be asked for by the nations of Indo-China. But other than that, we should not make the mistake of becoming involved in a situation which we cannot control or influence to our benefit, nor jump to myopic conclusions, the act of which is as dangerous as the conclusions themselves.

This week *The Annotated Yell* begins a new feature, *Weltanschauung*, or "world view". We at *The Annotated Yell* are aware of this world of ours becoming smaller at an ever-increasing pace. The days when we, as Americans, could remain insulated from happenings around the world are over. In light of this, the subject of foreign affairs is no longer reserved for brooding philosophers in ivory tower rooms papered with topography. The political world around us is a subject of which we should be, and are, aware. The very headline which we read in this evening's paper may touch our

lives unforgettably tomorrow.

The Annotated Yell realizes its responsibility of not only bringing the reader news, but also offering a different outlook of the world we will some day manage. Consequently, we offer *Weltanschauung* as this outlook.

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The response to KULV's first week of operation for Spring '79 has been highly favorable. Despite a few technical snags, the week went very well--after all, our jocks are a bit rusty after the long holiday break!

The classical music show with physics professor Lon Spight has proven extremely successful, and has thus been expanded. In addition to our regular Monday afternoon show from 3 to 5, hear the "World of Opera" with your host Jerry Dilorio.

Making strides in public affairs programming is the new "Women '79" program with Lise Wyman. This show deals with women in business and society. It can be heard Tuesdays and Thursdays at 10:30 a.m. This week Lise will talk to two successful businesswomen.

This week KULV initiates a new science-oriented show, "Science News" with Joe Matvay. Matvay is a senator from the College of Science, Math and Engineering. The program will be presented Monday, Wednesday and Friday at 11:00 a.m.

Dr. Ed Grayzeck, UNLV astronomer, presents "Exploring the Cosmos" each Monday morning at 9:30. Radio consultant Tommy Walker and Grayzeck discuss topics of scientific interest in the astronomy field.

One of KULV's most popular shows last week proved to be the "John Hunt Candid Report," airing Wednesdays at 2:30 p.m. John Hunt is never afraid to say what he thinks, and this makes for a very rousing half-hour. Says Hunt: "I call 'em the way I see 'em." Says Tommy Walker: "I save all the tapes of John's shows for legal purposes."

If you miss the exciting(?) weekly senate meetings, listen to KULV Senate Report Wednesday at 10:30 a.m. and Thursday at 3 p.m., hosted by University College senator Pam Roberts.

Also, don't forget the insightful "Conversations in Education" with Dr. Jack Dettre, each Monday afternoon at 2:30.

As you can see, KULV is growing. Our programming is steadily improving and it's darn exciting. Please have a listen to KULV in the Student Union, and bring your comments up to the third floor of the Student Union, Room 307.

CSUN Intercom

CSUN Vice President of Finance and Communications JOHN HUNT attacked registration fees, library hours, CSUN senators, and the ANNO-TATED YELL during last Wednesday's airing of "The John Hunt Candid Report" on KULV.

Concerning registration fees, HUNT remarked, "The fees at this school are totally out of line with at what most students think are the quality of education that we get here."

"The jacked-up prices, the out-of-state tuition (\$750.00), the standing in constant lines for hours and hours -- this is just for the birds," HUNT stated.

He also expressed discontent at the short hours the library remains open. He explained that CSUN had spent \$2000.00 in order to keep the library open late for finals last semester, and suggested that those who are "enraged" should bring the problem before the library committee.

As for this publication, HUNT said, "As you know, the student newspaper has changed hands -- it's now called the ANNOTATED YELL. I would like to call it the IMPOTENT YELL ... most people around here that have seen it have just -- there's an outcry. They say this paper is just not what is supposed to be a university paper. If they wanted the LAS VEGAS SUN or the LAS VEGAS JOURNAL, they can go to the corner and pick it up."

"Too many articles in the paper as it's been argued to me seem to be something that the local newspapers should be picking up. And those people up there, and now the new "editor" of the YELL, MIKE NAVARRO, if he wants to have practice being a city newspaperman, then go down to the corner and get a new job. You might be CLARK KENT'S assistant, but you're sure not doing a good job up there in the YELL."

"It's too radical, it's too different ... in the sense of being radical I mean too much to the right. Too many things don't apply to the students. The students want to know what affects the students. They don't want to know what affects the gaming industry downtown."

To further illustrate his view, HUNT played the song "You're No Good" following his comments.

He ended his broadcast by bestowing the "MENTAL MASTURBATION AWARD" to CSUN senators Bruce Bayne and Dave Craddock. HUNT defined "mental masturbation" as "those senators who get involved in CSUN, come to the senate meetings, and talk continuously on irrelevant subjects, breaking up the meeting, and not letting true government function the way it should."

The CSUN SENATE GRIEVANCE COMMITTEE is in the process of contacting other universities to find out what makes their grievance committees work.

CSUN PRESIDENT CHUCK WHITE, a member of the GRIEVANCE COMMITTEE says, "Our committee has not won a grievance in three years. Students are only using the committee for grade differences with faculty. I want to see more people using it for other types of problems." The committee consists of six faculty and three students who hear complaints concerning faculty and administration and tries to clear them up.

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Overtures

Livin' Fat's the Cream

Mr. Pryce-Jones is currently on the staff of the Department of Theatre Arts, UNLV, and teaches Stage Design, Oral Interpretation, and Intro. to Theatre. He has designed many shows, such as, A Funny Thing Happened on the Way to the Forum, Scapino, The Runner Stumbles, and directed Jacques Brel is Alive and Well in Paris.

The Meadows Playhouse is currently offering *Livin' Fat*, a comedy written and directed by Judi Ann Mason. The evening is well worth one's patronage.

It is not the reviewer's intention to waste column inches by recounting the plot in minute detail. That piece of information is the privilege of the audience-member. Quite simply, the story concerns itself with a lower-middle-class black family and their attempt to deal with a large sum of money "found" by one of its members. As Ms. Mason explained in a recent press release, "The situation could apply to any race of people--anyone who suddenly had money when they've never had it before. The situation would cause some serious moral contemplations."

The script is a superior piece of writing. While some of the characters unmistakably possess some "stock" qualities and the central idea is a re-worked theme, the tale is well told. Ms. Mason has a wonderful sense of dialect. The lines are often very funny--indeed, the play sparkles with her gift for dialogue and accurate pacing. The play does have a "universality" to it. Although there are frequent references to those nasty, rich white folk out there in fat-land, the skillful writing never makes one feel uncomfortable, "lectured at" or offended (the reviewer is white). Even the "moral contemplation" mentioned by Ms. Mason is handled with economy and wit.

There are several outstanding performances worth mentioning. Ruth Brown's Big Mama is splendidly done. Ms. Brown's obvious sensitivity to the role of a matriarch long past her prime prevented the performance from becoming a caricature. Her Big Mama is long-suffering (digestive problems), but there is a saving sense of humor and the complaints are kept to a minimum. She is a joy to behold, as she guides her earthy bulk with ease whenever the spirit or her medication moves her. Ms. Brown is a professional actress and blues singer who has appeared at Circus Circus. Her biography includes television programs, rhythm and blues concerts, the playboy circuit, and the Monterey and Tokyo Jazz Festivals. Her contribution to the play is enormous.

"Boo" is the over-hip best friend of the family's son David, was performed by Robert L. Dixon on the night this reviewer attended (the role is shared between Mr. Dixon and Lanyard Williams). In many ways the character of Boo is a duplicate of Jimmy Walker's "J.J." in the TV show "Good Times" (the playwright is a technical consultant for that series). But there are some essential differences. Mr. Dixon's talent, enthusiasm, and old-fashioned good looks are infinitely superior to Mr. Walker's meager gifts. The knowledge that "boo" was a jazz man's term for the weed with its roots in hell does not detract from Mr. Dixon's portrayal. Boo is obviously at home on the streets, but he has a natural sense of superiority and a bubbling sense of what life is all about. Mr. Dixon's Boo is classy, and the scene in which he models a brand new outrageous wardrobe goes well beyond the peacocking of a ghetto stud. This fashion parade, which continues through the last half of the play, is a showstopper--an undeniable highlight of the evening.

Debra A. White's Mama and Eddie B. Fleming's Daddy and Donald Lane's David are fine performances. This reviewer had the feeling that Ms. White's portrayal



Ruth Brown



Robert Dixon

was hampered by the character as written. Mama is, in her own quiet, serious way, a Jesus junkie with all the negative qualities that organized religion can bestow. In order to be completely believable (and rise to the splendid portrayals of Big Mama and Boo) Ms. Mason would do well to reconstruct this figure with a little less moral sobriety.

The only weak link in the chain was Candy, played by Sylvia Ross. This reviewer enjoys dialect on stage, but the lines must be understood, and Ms. Ross was simply unintelligible. Her words were delivered at breakneck speed, and she always seemed to be dashing in and out of the room screaming something like "Hot diggity-dog". The result was, unfortunately, a caricature reminiscent of the worst imitations of the much maligned Butterfly McQueen. Once again, Big Mama and Boo

come to mind as ideals in this production. Ultimately, the failure of this character is probably with the script. A 'spinnny' kid sister is more than gawking, gibberish, and erratic stage movement and attention must be paid. This reviewer hastens to add that unevenness in casting has no effect worth mentioning on the overall enjoyment to be derived from the production.

Terry E. McFalls' costuming was quite stunning in the case of Boo's wardrobe. Big Mama's clothes were also an effective means of telling us a lot about that marvelous woman. Melanie Dees succeeded nicely in a stage which does not really respect a stage-designer's all important contribution. The setting, with its yellow-ochre walls and bronzed baby shoes and Edith and Archie chairs was a neat description of lower-middle-class aesthetic sense of impoverishment. It was a delightful touch to have Mama buy a hideous orange pillow near the end of the play. One shudders at how "nice and pretty" her living room would be, given the financial opportunity to fix things up. Speech therapy for Candy would have been a sounder investment.

Ms. Dee's scenery was lit by Larry Henley. It is a thankless task to simply light an interior setting, but Mr. Henley had his moments during the "boogie" transitions between scenes.



Mr. Dixon's Boo is classy, and the scene in which he models a brand new outrageous wardrobe goes well beyond the peacocking of a ghetto stud. This fashion parade, which continues through the last half of the play, is a show-stopper, an undeniable highlight of the evening.



There is an absence worth noting in the Meadows program. In a section entitled "About the Company", the designer's biographies are missing. Designers are rightly considered to be important members of a theatrical company, and this reviewer sincerely hopes that this obvious neglect was due to a printer's deadlines or some other unavoidable problem. This is an oversight which one finds peculiar in a playhouse with professional aspirations.

The premiere west coast production of *Livin' Fat* by Judi Ann Mason continues through February 24 at the Meadows Playhouse, 4735 South Maryland Parkway, just south of UNLV in the University Square Shopping Center.

Wednesday, Feb. 14



Ball

Recurring Events

FEBRUARY 14-16

ART - Contemporary American Painting Exhibit. Flamingo, CCL. (Free) 733-7810.

FEBRUARY 14-16

ART - Jim McDaniels, Architectural Drawings, UNLV Art Gallery, 1-4PM. 739-3237.

FEBRUARY 14-16

ART - 4th Annual China Show, Tropicana Hotel. 878-6819.

FEBRUARY 14-28

ART - Watercolor Society Annual Exhibition, L/V Art Museum. 648-1868.

FEBRUARY 14-28

THEATRE - *Anything Goes*. Cole Porter Musical. 8PM & 11:45PM nitely (dark Mondays). 386-2110.

FEBRUARY 14-24

ART EXHIBIT - Valley of Fire. Peggy Jackson, Mary Shaw, Mary Heinrichs & Norma Jean Halstead. Visitor Ctr. Valley of Fire, daily 8:30AM to 4:30PM. 385-0264.

FEBRUARY 14 thru MARCH 29

BASKETBALL - Silent Bouncers. Unique Basketball Program for the Deaf and Hearing Impaired. CLVDRLA. 386-6296.

FEBRUARY 18 thru MARCH 29

ART - *Processional-Black Artists*. The Development of Contemporary Black Art & Artists. Flamingo, CCL. (Free) 733-7810.

FEBRUARY 19 thru MARCH 2

ART - Stanford-Freshwater Exhibit, UNLV Art Gallery. 12-4PM. 739-3237.

1:30PM - EVALUATION - Philosophy Student Evaluation Committee Meeting. MSU, Rm 203.

7PM - MOVIE - *Blood and Sand, Billboard Girl*. Sunrise, CCL. (Free) 453-1104.

7:30 & 9:30PM - MOVIE - *Choirboys*. MSUB. (Free)

8PM - TV THEATRE - *Julius Caesar*. The Shakespeare Plays, BBC & Time-Life TV. KLVX-10.

8PM - THEATRE - *Livin' Fat*. An Original Comedy. The Meadows Playhouse. (GRA, SID \$6.50 eve. \$4.50 mat., SP½) 739-7525.

Thursday, Feb. 15

12N - DEADLINE - Student Evaluation of Philosophy Faculty. Phil. Dept., SEC Mailbox, HUS14.

7:30 & 9:30PM - MOVIE - *Choirboys*. MSUB. (Free)

8PM - THEATRE - *Livin' Fat*. An Original Comedy.

8PM - THEATRE - *Livin' Fat*. An Original Comedy. The Meadows Playhouse. (GRA, SID \$6.50 eve. & \$4.50 mat., SP½) 739-7525.

8PM - THEATRE - *The Time of Your Life*. Drama, JBT. (A \$3.50, p/t-grad-mil. \$2.50, C & SC \$1.50, SID Free) 739-3641.

8PM - THEATRE - *Witness for the Prosecution*. Agatha Christie Thriller, TASI. RWCC. (A \$4, SID \$1) 382-7225.

Friday, Feb. 16

10AM - OUTDOOR REC DAY - Exhibition for manufacturers, retail stores and outdoor-oriented clubs. Exhibits, bands, sky-diving demo's, prize ping-pong drops and parachute rides. (Free)

7PM - FILM LECTURE - *Where the Red Fern Grows*. LDS Inst. of Religion. Lyman Dayton, speaker. 1095 Univ Rd. (Free)

7:30PM - MOVIE - *Free Climb - The Northwest Face of Half Dome*. Introduction by Robert Redford. Mountain Man & MSUORP. MSUB. (\$2)

8PM - THEATRE - *The Time of Your Life*. Drama, JBT. (A \$3.50, p/t-grad-mil. \$2.50, C & SC \$1.50, SID Free) 739-3641.

8PM - THEATRE - *Witness for the Prosecution*. Agatha Christie Thriller, TASI. RWCC. (A \$4, SID \$1) 382-7225.

8PM - THEATRE - *Livin' Fat*. An Original Comedy. The Meadows Playhouse. (GRA, SID \$6.50 eve. & \$4.50 mat., SP½) 739-7525...

Saturday, Feb. 17

11AM - MOVIE - *The Courage of Lassie*. Decatur, CCL. (Free) 878-7578.

1PM - RECEPTION - Black Experience in Southern Nevada. Verla Davis presents copies of oral history tapes to the library. West LV, CCL. (Free) 647-2118.

2:30PM & 8PM - THEATRE - *Livin' Fat*. An Original Comedy. The Meadows Playhouse. (GRA, SID \$6.50 eve. & \$4.50 mat., SP½) 739-7525.

8PM - THEATRE - *Witness for the Prosecution*. Agatha Christie Thriller, TASI. RWCC. (A \$4, SID \$1) 382-7225.

7:30PM - DANCE - *International Folk Dancing*, Marliza Dance Studio. 739-3237.

8PM - THEATRE - *The Time of Your Life*. Drama, JBT. (A \$3.50, p/t-grad-mil. \$2.50, C & SC \$1.50, SID Free) 739-3641.

8:15PM - DANCE - *Pirin*. Bulgarian Natl. Folk Ensemble., AHH. 739-3535.

9:30PM - ORIENTEERING - *The Art of Orienteering*. The use of maps and compass. Spring Mtn. Ranch. Register. 875-4141.

10PM - TV MOVIE - *The Rules of the Game*. PBS Movie Theatre. KLVX-10.

Sunday, Feb. 18

12N - TV THEATRE - *Julius Caesar*. The Shakespeare Plays, BBC & Time-Life TV. KLVX-10.

1PM - GALLERY OPENING - Processional/Black Artists. Flamingo, CCL. (Free) 733-7810.

2PM - MOVIE - *Zazie*. French with English Subtitles. Flamingo, CCL. (Free) 733-7810.

2PM - THEATRE - *Witness for the Prosecution*. Agatha Christie Thriller, TASI. RWCC. (A \$4, SID \$1) 382-7225.

3PM - TV MUSIC - *Symphony #3*. Beethoven Festival, D. Symphony Orch., Dorati. KLVX-10.

7PM - TV BALLET - *Maria Tallchief, Ballerina*. John Casady Interviews. KLVX-10.

Monday, Feb. 19

3PM - MOVIE - *Courage of Lassie*. L/V, CCL. (Free) 382-7225.

6PM - AUDITIONS - Student Directed One-Acts. UNLV. J. Aud. 739-3666.

7PM - MOVIE - *Zazie*. French with English Subtitles. L/V, CCL. (Free) 382-3493.

8PM - TV POETRY - *Man At Large*. Poet Robert Bly. Bill Moyers' Journal. KLVX-10.

8PM - MUSIC - *Andre Segovia*. Master Series Concert, AHH. (Sold Out) 739-3535.

Tuesday, Feb. 20

1PM - PSYCHOLOGY - National Honor Society in Psychology. PSI-CHI. Wright Hall, UNLV, Rm. 305.

6PM - AUDITIONS - Student Directed One-Acts. UNLV J. Aud. 739-3666.

7PM - MAGIC - Sleight-of-Hand, Allan Ackerman. L/V, CCL. (Free) 382-3493.

Board



7PM - LECTURE - Open Door - Virginia Hamilton. Writing for Young People. Flamingo, CCL. (Free) 733-7810.

7PM - AUDITIONS - *Light Up the Sky*. Moss Hart Comedy Directed by Glenn Casale, Paradise Park. Rec. Ctr., TASI. 382-7225.

8PM - ROCK CLIMBING - Spectacular slide show on climbing in England from the man who made the sport famous. Wright Hall Aud. MSUORP & Highland Outfitting Co. (Free) 739-3575.

7:30 & 9:30PM - MOVIE - *Which Way is Up*. MSUB. (Free)

8PM - THEATRE - *Livin' Fat*. An Original Comedy. The Meadows Playhouse. (GRA, SID \$6.50 eve. & \$4.50 mat., SP½) 739-7525.

9PM - TV MUSICAL - *Silk Stockings*. The Hollywood Musicals. KLVX-10.

Wednesday, Feb. 21

7PM - AUDITIONS - *Light up the Sky*. Moss Hart Comedy, Directed by Glenn Casale, Paradise Pk., Rec. Ctr., TASI. 382-7225.

7:30PM - MOVIE - *Gentlemen's Agreement*. L/V Cinema Society, UNLV Ed Aud. (A \$3, SID & SC \$1) 451-0424 & 735-8483.

7:30 & 8:30PM - MOVIE - *Which Way is Up*. MSUB. (Free)

8PM - THEATRE - *Livin' Fat*. An Original Comedy. The Meadows Playhouse. (GRA, SID \$6.50 eve. & \$4.50 mat., SP½) 739-7525.

8PM - TV MUSIC - *Fidelio*. Great Performances. KLVX-10.

10:30PM - TV MUSIC - *Monet*. Great Performances. KLVX-10.

Thursday, Feb. 22

8PM - THEATRE - *Witness for the Prosecution*. Agatha Christie Thriller, TASI. RWCC. (A \$4, SID \$1) 382-7225.

8PM - THEATRE - *The Time of Your Life*. Drama, JBT. (A \$3.50, p/t-grad-mil. \$2.50, C & SC \$1.50, SID Free) 739-3641.

8PM - THEATRE - *Livin' Fat*. An Original Comedy. The Meadows Playhouse, (GRA, SID \$6.50 eve. & \$4.50 mat., SP½) 739-7525.

Friday, Feb. 23

8PM - THEATRE - *Witness for the Prosecution*. Agatha Christie Thriller, TASI. RWCC. (A \$4, SID \$1) 382-7225.

8PM - THEATRE - *Livin' Fat*. An Original Comedy. The Meadows Playhouse. (GRA, SID \$6.50 eve. & \$4.50 mat., SP½) 739-7525.

PM - THEATRE - *The Time of Your Life*. Drama, JBT. (A \$3.50, p/t-grad-mil. \$2.50, C & SC \$1.50, SID Free) 739-3641.

Saturday, Feb. 24

TBA - SKIING - Cross Country and Downhill. Lodging at Bristlecone Ski Hostel, Brianhead. MSUORP. (\$20 includes trans.) Two days 739-3575.

11AM - LECTURE - *Eclipse!* Dale Etheridge, Planetarium Director, CCCC. Sunrise, CCL. (Free) 453-1104.

1:30PM - PLANTS - How Flowers Grow, Flower Gardening and Spring Planting Orientation. West L/V, CCL. (Free) 647-2118.

2:30 & 8PM - THEATRE - *Livin' Fat*. An Original Comedy. The Meadows Playhouse. (GRA, SID \$6.50 eve. & \$4.50 mat., SP½) 739-7525.

8PM - THEATRE - *Witness for the Prosecution*. Agatha Christie Thriller, TASI. RWCC. (A \$4, SID \$1) 382-7225.

8PM - THEATRE - *The Time of Your Life*. Drama, JBT. (A \$3.50, p/t-grad-mil. \$2.50, C & SC \$1.50, SID Free) 739-3641.

9PM - TV MUSIC - *A Tour and a Triumph*. Mehta and His Music. Zubin Mehta. KLVX-10.

10:30PM - TV MUSIC - *Fat Tuesday And All That Jazz*. In Performance at Wolf Trap. KLVX-10.

Sunday, Feb 25

1PM - TV MUSIC - *A Tour and A Triumph*. Mehta and His Music. Zubin Mehta. KLVX-10.

2PM - MUSIC - Allegro Piano Trio. Flamingo, CCL. (Free) 733-7810.

2PM - THEATRE - *The Time of Your Life*. Drama, JBT. (A \$3.50, p/t-grad-mil. \$2.50, C & SC \$1.50, SID Free) 739-3641.

2PM MUSIC - Harpsichord Concert, AHH. 739-3801.

2:30PM - TV MUSIC - *Monet*. Great Performances. KLVX-10.

2:30PM - THEATRE - *Witness for the Prosecution*. Agatha Christie Thriller, TASI. RWCC. (A \$4, SID \$1) 382-7225.

3PM - TV MUSIC - *Symphony # 5*. Beethoven Festival, Detroit Symphony Orch., Dorati. KLVX-10.

7:30PM - MUSIC - *Evening of the Arts--with ECK*. UNLV, Rm 202, MSU. (Free) 386-6944.

Monday, Feb. 26

8PM - SLIDE SHOW - Lou Whittaker, head of the Mt. Rainer Guide Service. MSUB. MSUORP & Highland Outfitting. (Free) 739-3575.

10PM - TV MUSIC - *The Neville Brothers, Lightnin' Hopkins, Robert Shaw*. Austin City Limits. KLVX-10.

Tuesday, Feb. 27

6PM - COMPETITION - Yo-Yo Competition. Girls 11 yrs. and under & 12-15 yrs. Finals at Garside Community Center. CLVDRLA. 386-6296.

8PM - MUSIC - L/V Chamber Players, solo recital. AHH. 739-3801.

9PM - TV MUSICAL - *The Great Caruso*. The Hollywood Musicals. KLVX-10.

Wednesday, Feb 28

7:30 & 9:30PM - MOVIE - *Duck Soup & Horse Feathers*. MSUB. (Free)

7:30 & 9:30PM - MOVIE - *Duck Soup & Horse Feathers*. MSUB. (Free)

8PM - TV THEATRE - *As You Like It*. The Shakespeare Plays, BBC & Time-Life TV. KLVX-10.

10:30PM - TV MUSIC - *Crosstalk--Stan Kenton and His Orch*. KLVX-10.

Thursday, Mar. 1

7:30 & 9:30PM - MOVIE - *Duck Soup & Horse Feathers*. MSUB. (Free)

8PM - THEATRE - *Witness for the Prosecution*. Agatha Christie Thriller, TASI. RWCC. (A \$4, SID \$1) 382-7225.

Friday, March 2

8PM - THEATRE - *Witness for the Prosecution*. Agatha Christie Thriller, TASI. RWCC. (A \$4, SID \$1) 382-7225.

Saturday, Mar. 3

TBA - BACKPACK - Havasupai Indian Reservation Backpack in the Grand Canyon. MSUORP. (\$15) 739-3575.

1PM - THEATRE - *Star Spangled Minstrel*. Children's Show, GHLT. (A \$2, C \$.75) 739-3641.

8PM - THEATRE - *Witness for the Prosecution*. Agatha Christie Thriller, TASI. RWCC. (A \$4, SID \$1) 382-7225.

Sunday, Mar. 4

1PM - THEATRE - *Star Spangled Minstrel*. Children's Show. GHET. (A \$2, C \$.75) 739-3641.

Monday, Mar. 5

12N - COMEDY - Special Comedy Event, Student Activities. MSU. (Free) 735-2333.

7PM - SLIDE SHOW - Rock Climbing in North America. Lounges 201 & 202 MSU. (Free) 739-3575.

7:30 & 9:30PM - MOVIE - *The Abominable Dr. Phibes & Dr. Phibes Rises*. MSUB. (Free)

7:30PM - BURRO MANAGEMENT - Burro Management and Ecosystem Restoration Plan and Its Draft Environmental Statement. Natl. Park Personnel. Golden Eagle Rm., 2nd fl., Hughes Aviation Svc. Bldg., 6005 L/V Blvd., So. (602)638-2411.

The Commentator

An Annotated Introspection

the doors are open, come inside

Welcome to **The Annotated Yell**. What follows is our statement of purpose: What it is we're trying to do with this product. We chose not to attempt to explain our first issue because we wanted it to stand on its own. From the response we've received most everyone has a clear picture of what we're trying to do.

As in many communities, the university is the center of most cultural and intellectual activity. It is here that relevant discussion of contemporary issues many times begins. It is also here that many locals find a great deal of their cultural enjoyment. It therefore follows that university media should and will reflect such.

In the early part of this century, a philosopher by the name of John Dewey discerned that the major problem facing any public was the discovery and identification of itself. Dewey seemed to feel that through interaction, through those bonds formed by shared experiences, a community would go from passive to active status and said identification would follow. Should this university community become "aware of itself", discussion of those contemporary issues could only be enhanced.

Unfortunately, we are fighting an additional adversary: we are a commuter campus. It is not safe to say that the student union is a center place for our public. A vast majority of students come for their classes and leave, and few faculty members ever come near the building. Only **the Annotated Yell** has a chance of being that common bond between us. And with this newfound role, limitless potential is on the horizon. A handful of staff members could never reflect all of the intellectual discussion on campus, but they can coordinate it for presentation to our community. Participation from every corner of this campus will make this concept work. Participation can make

the Annotated Yell the community mind we are striving for it to be.

We have developed formats which are conducive to these goals. Our cover topics, for example, are always topics with which we need to deal; none of the local media is dealing with them, and solutions *are* born from discussion. Any consensus is far more valid when most considerations are heard. Thus, we also include our *Yell for Papers* to let you know future topics with which we are planning to deal. *Newsbag* sticks to the inverted pyramid style to give the concisest university related news. Because of newfound interest in this medium, the newsgathering organization is bigger and covering more campus-related news than ever before. The *CSUN Intercom* purveys weekly news on student government. *Guide to Understanding* attempts to provide basic guidelines on "hard-to-tackle" subjects. *Wormwood* offers exposure to the vast array of creative writers who find themselves on campus. *Rebellion* keeps tabs on campus sports and relevant athletic related topics. *Callboard* gathers a majority of cultural events around town and capsulizes them into an easy-to-find format. *Weltanschauung* (German for world view) takes perspectives on foreign affairs. This variety of formats gives option to every campus interest. And, if you're reading this, you're a potential contributor. The motto at **the Annotated Yell** is "a handfull of staff and a million contributors." If you've glanced at our staff box, you've noticed the array of new people working on this product. They too have sight of the enlightenment through information goal. These ideas and the format are here now; it's not just "an ideal likely to remain just a concept." Won't you come inside? The doors are open.

Sailing Through Byzantium

finding your way through the energy labyrinth

by Marc Charisse

Solar energy, geothermal energy, nuclear energy, cosmic energy, the list goes on. It seems everybody is worried about energy these days, at least the kind that keeps machines running.

Given our tourist economy and energy dependence, it would seem natural that an in-depth look at the energy question is in order. I wish we could have provided you with one.

But we fell far short. I started looking into the energy question and found more questions than answers. In fact, our energy planners are sometimes unsure about which questions to *ask*. The data is not clear-cut, and one researcher's energy break-through is another's environmental hazard. A Mobil Oil scientist tells us we have virtually an unlimited supply of fossil fuels, while another specialist tells us we will be lucky if oil lasts the decade. Even the statistics are byzantine. While examining federal energy expenditures, for instance, Department of Energy statistics are not enough. A total of six separate agencies fund separate solar programs. You also have to check where the money is spent; there is a lot of difference between tax credits given to large firms for solar demonstration and money which goes to research and development.

Politics, too, plays its role in the energy story. Nowhere is this more evident than in nuclear policy. The Carter Administration, fearing proliferation, is seeking to de-emphasize nuclear programs and is placing its faith in solar developments. But the rest of the world is skeptical. While a report from the Worldwatch Institute, a non-profit research organization claims nuclear power is unfeasible due to environmental, economic, and national security concerns, *Power Engineering* reports the need for nuclear energy is recognized all over the world. The Swedish Nuclear News reports 18 percent of Sweden's energy is nuclear, and the International Energy Agency, meeting in Paris in 1977, adopted a resolution placing strong emphasis on the need to expand nuclear capacity. As one official for a local scientific management firm told us, "The rest of the world is not wealthy enough to be able to pass by nuclear

power. Carter is on one side while our utilities and the rest of the world are on the other." This expert also said Nuclear Waste isolation technology exists but is being deliberately de-emphasized for political reasons. Dr. Petr Beckmann, professor of electrical engineering at the University of Colorado, has written a book on "the health hazards of not going nuclear." He argues that fission and fusion pose far smaller dangers than the environmental hazards associated with the continued use of fossil fuels.

Government control of energy production is another controversial issue. Some argue that the reason we have no clear energy picture is that we are dependent on un-trustworthy private concerns, with many special interest, to fill in that picture. Much information in private hands is not even available to government agencies. Another group claims it is the myriad government agencies and conflicting regulations that cloud the energy picture.

Environmentalists, too, must have their say. What many do not realize is that there are separate environmental hazards associated with all types of energy production. Even solar collection, since mining of copper and silicon needed for collectors exposes workers to health hazards, is not free from environmental impact.

What we finally came up with was too much to try and lay on our readers all at once. So the decision was reached to break this topic into two parts. In the first, we try and acquaint readers with the subject of energy research and development as it relates to our state. The second part will be more speculative in nature.

In the end, all one comes up with is a personal feeling about the energy picture. And, as a journalist, I am very uncomfortable about writing from feelings. All I can hope for is that this effort will stimulate thought on the energy questions facing us. Who knows--we might even be able to look at energy again down the road. I hope, too, that this issue, which, for the reasons discussed above must contain a fair number of misconceptions and half-truths, does not contain any outright lies.

Call Board Continued --

7:30PM - MOVIE - *Dinner at Eight*. L/V Cinema Society, UNLV Ed. Aud. (A \$3, SID & SC \$1) 451-0424 & 735-8483.

Thursday, March 8

7:30 & 9:30PM - MOVIE - *The Abominable Dr. Phibes & Dr. Phibes Rises*. MSUB. (Free)

Friday, March 9

7PM THEATRE - *Star Spangled Minstrel*. Children's Show. GHLT. (A \$2, C \$.75) 739-3641.

10PM DOCUMENTARY - *Scared Straight*. Youthful offenders trip to prison. KLAS-5.

Saturday, March 10

8:30AM - WRITER'S WORKSHOP - Natl. League of American Pen Women, Showboat Hotel, 2800 E. Fremont. (\$18 & \$22) 734-6120.

KEY

A - Adults
C - children
s - student
SC - Senior Citizen
SID - Student Must Show I.D.
SP½ - Special ½ Price - ½ Hour Pre-Performance.
GRA - Group Rates Available
RR - Reservation Required
LEGEND

AAC - Allied Arts Council
AHH - Artemis Ham Hall
CCCC - Clark County Community College
CLVDRLA - City of Las Vegas. Department of Recreation and Leisure Activities.
CSUN - Consolidated Students Univ
JBT - Judy Bayley Theatre. UNLV.
LVLT - Las Vegas Little Theatre.
MSU - Moyer Student Union.
MSUB - Moyer Student Union Ballroom
MSUORP - Moyer Student Union Outdoor Recreation Program.
RWCC - Reed Whipple Cultural Center.
SID - Student must present I.D.
TASI - Theatre Arts Society Incorporated.



Don Lane

This Space

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For YOU

if you have something to fill it,
please let us know about it

The Annotated Yell is looking for papers on the following subjects for future cover topics in our publication:

- Cults
- Media
- Weather
- Drugs
- Foreign Affairs
- Medicine
- The Role of the University
- Athletics
- Justice
- Tax Revolt

If you have previously written or are currently working on a research paper relating to any of the above topics, the Annotated Yell is interested. We pay one cent per printed word. For more information, contact Mike Navarro or Marc Charisse at 739-3478.

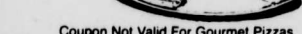
The Annotated Yell

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Rebellion!

Lady Rebels Pull-Out #20; Streak to 57

Inundated by the taller and more experienced Waves from Pepperdine University, the University of Nevada, Las Vegas Lady Rebels needed an overtime period to pull out a 107-97 decision in the UNLV South Gym February 9th.

The win over the fifth ranked small college women's basketball team improved the regular season record of the Lady Rebels, currently rated as the nation's 11th best large college team, to a perfect 20-0 and extended their home game win streak to 57.

Up at halftime 47-41, UNLV saw their lead diminish and then change sides several times in the second half. With no time showing on the clock and Pepperdine ahead 91-90, a backcourt foul committed against Tina Glover (Pittsburg, CA-Pittsburg HS) sent the 5'4" UNLV freshman point guard to the free throw line where she connected on the first half of a one-plus-one to end the contest into overtime.

While four Waves fouled out of the game, the Lady Rebels out-scored Pepperdine 16-6 in the extra period to capture their twentieth win of the season.

Teresa Endicott Willis, a 5'9" junior forward from Jennings, Oklahoma turned in a 27 point, 15 rebound, six assist one steal and one blocked shot performance. Just twenty games into her Lady Rebel career, the All-America candidate and UNLV's leading scorer (26.7 ppg) and rebounder (13.5 rpg) already owns three school records--most points scored in a game (44), most free throws made (158) in a season.

In the Pepperdine game, Sandra Hamilton (Las Vegas-Chaparral HS), a 5-3 freshman, followed closely behind Willis with 26 points, eight assists and one steal. Other Lady Rebels with double-digit point totals were 6-0 freshman Kathie Calloway (Michigan City, Indiana-M.C. Rogers HS), with 16 points and 13 rebounds, and Glover, who also tallied 16 points while

handing off five assists and intercepting two passes.

In action this week, UNLV will travel to Albuquerque, New Mexico, Wednesday, for their first road trip of the season to tangle with the Lobos of New Mexico. In a Mid-January meeting with UNM at UNLV, coach Dan Ayala's squad was victorious, 91-81.

They will return home for a pair of exhibition games with the University of Chihuahua Friday, Feb. 16, at 7:30 pm in the UNLV South Gym and at 5:30 pm Saturday, Feb. 17, at the Las Vegas Convention Center.

Rebels to Face Aztecs, Utes in WAC doubleheader

Hoping to forget the nightmare of a 114-112 double-overtime loss at Idaho State last Saturday, the 17-6 UNLV Runnin' Rebels now must host a pair of rugged Western Athletic Conference teams in the Las Vegas Convention Center.

On Saturday, UNLV will tangle with the 14-8 San Diego State Aztecs and on Monday, the 17-7 University of Utah Runnin' Utes will visit for another 8:05 p.m. (PST) game.

Senior UNLV co-captains Earl Evans and Tony Smith continue to pact the Runnin' Rebel attack. After a career high 37 points and 19 rebounds against ISU, Evans is now averaging 18.3 ppg and 10.4 rpg while Smith (who canned 31 against ISU) is scoring 15.9 ppg.

Junior point guard Flintie Ray Williams had 11 more assists against ISU to bring his season total to 143, or an amazing 6.8 per game. Senior center Brett Vroman is getting 12.3 ppg and 8.8 rpg while freshman starter Michael Burns gets 10.6 ppg and 6.3 rpg.

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May 1, 1979 is application deadline for first year students seeking Juris Doctor degree in 3-year Day and 4-year Evening Program beginning in September 1979.

Pre-Law Discussion FOR PROSPECTIVE STUDENTS

DATE: TIME: PLACE:

Thurs., 2/15, 7:00 pm, *

FOR APPOINTMENT OR FURTHER INFORMATION

* Prof. Ralph Roske
History Department



The UNLV Women's Tennis Team kicked off their season this weekend with a 2-1 record. Pictured kneeling left to right are Debby Dickson, Carol Maland, Terri Corrado. Standing Left to right is Coach Tina Kunzer, Sandie Tsumas, Dauna Slater, Stephanie Gilbertson, Janice Reardon, Brenda Baechle and Tish Elliot.

Baseballers Beat Long Beach

Who could ask for anything more? That must have been what UNLV baseball skipper Fred Dallimore was asking himself after his action-hungry Hustlin' Rebel team opened the 1979 season by putting the clamp on Cal State, Long Beach this past weekend, 4-1, 6-0, and 9-0.

It was not so much that the Hustlin' Rebels, who now host Western Athletic Conference Northern Division winner Brigham Young University in a pair of 11 am doubleheaders this coming Friday and Saturday, managed the sweep of the 49ers that had Dallimore so impressed. It was the way in which they did it.

Three members of Dallimore's tentative five-man pitching rotation--righthanders Kirk Jones, Ken Elsee, and Dan Fisher--held Cal State, Long Beach to one unearned run and only thirteen hits over the first 27 innings of the season.

Jones, from McGill, Nev., sailed through the first eight frames of Friday's season-opener before a dropped fly ball in the outfield set the stage for the 49ers' one unearned run. Then in Saturday's first doubleheader of the season, an unprecedented occurrence in UNLV baseball history: Elsee and Fisher threw back-to-back complete-game shutouts.

Both Jones and Fisher tossed three-hitters in their wins, Fisher whiffing nine and Jones eight in their nine-inning performances. Elsee, a transfer from Long Beach City College and a former teammate of many 49ers when they, too, played at LBCC, scattered seven hits, while striking out only one. Each of the three pitchers allowed only one walk.

"I would never have dreamed of such ideal pitching performances for so early in the season," said an ecstatic Dallimore, now in his sixth season. "Those were the type of efforts I would expect to see near season's end."

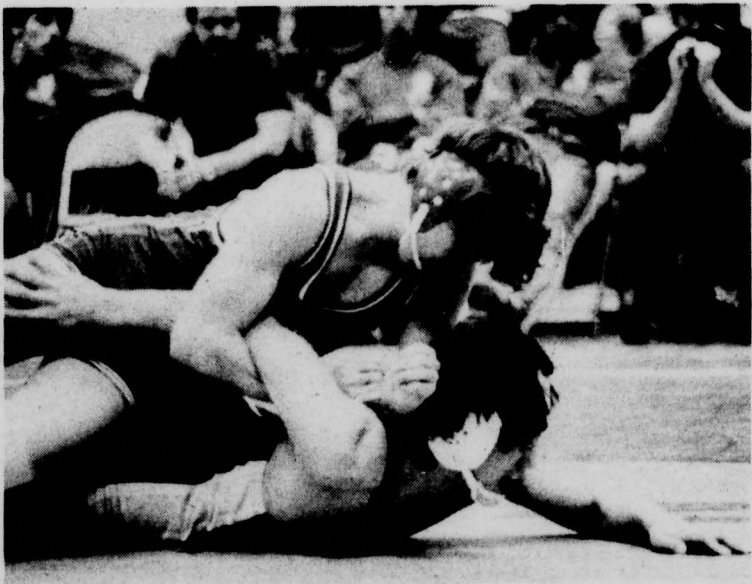
The Hustlin' Rebels punished eight 49er pitchers for 34 hits and 19 runs in the three games, establishing a .351 team batting average in the process. A pair of

outfielders, Dan Murphy and Bill Cunningham, each have .500 averages to lead the team. Murphy powered a three-run homer on Friday and added three runs-batted-in on Saturday to take the team lead in RBIs with six.

Infielders Ed Crow (.417) and Dave Kinsel (.400) and outfielder-designated hitter Doug Smith (.357) are also hitting above the team average.



Kirk Jones



The Wrestlin' Rebels had a superb evening against the Washington State Cougars Wednesday night. The one-sided event showcased the Rebs' strengths--power, agility and intelligent wrestling.

The final score--39-8--included 5 won matches, one pin and two losses. Due to injury, the Cougars forfeited the last match.

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3. Last Major League pitcher to win 30 games



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2. Name the brother of Ernest Gallo.

3. Name the man currently doing the Paul Masson TV commercials



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Jerry Tarkanian



UNLV Rebel Basketball, has certainly come a long, long way in a relatively short time. It wouldn't have advanced to the NCAA finals and the NCAA playoffs if it hadn't been for Jerry Tarkanian, the magician behind the UNLV basketball success story.

Jerry Tarkanian is, after all, the winningest active major college basketball coach in America. After 10 seasons as a major college coach, Tarkanian has coached his teams to a 244-44 record for a brilliant .847 winning percentage.

In five seasons as UNLV's head coach, Tarkanian has led the Runnin' Rebels to records of 20-6, 24-5, 29-2, 29-3, and 20-8. The goal of the players who were with Tarkanian the first four years at UNLV was to win 100 games, a goal they had set for themselves as freshmen. When Eddie Owens, Glen Gondrezick, Lewis Brown, Robert Smith and Sam Smith left UNLV after the 1976-1977 season, their four-year total was 102-16--an amazing record for an astounding group of players.

After five seasons in Las Vegas Tarkanian's teams have compiled a record of 122-24, for a winning percentage of .836.

Last season UNLV won 15 straight games to open the season, but stumbled a bit ending with "only" a 20-8 record. For

Tarkanian, however it was the most games a team he has coached had ever lost and recruiting was a no. 1 priority on his check list following the season.

UNLV won the Western Regional Championship during the 1976-77 season and finished with the third place trophy in the NCAA Finals in Atlanta, Georgia, in March of 1977. To get there, the Runnin' rebels established 14 NCAA single-game, single-season and tournament records. In the playoffs, UNLV defeated the University of San Francisco, 121-95, the University of Utah, 88-83, and Idaho State, 107-90 to capture the Western Regionals.

Then UNLV lost a heartbreaker, 84-83, to the University of North Carolina, but had the pride and poise to come back and defeat the University of North Carolina-Charlotte, 106-94, for the consolation title of the 1977 NCAA Finals.

After the historic 1976-77 season, UNLV finished fourth in the final Associated Press poll, sixth in the United Press Poll, sixth in the United Press International poll and third in the Basketball Weekly poll.

Winning is a fact of life to Jerry Tarkanian, on the court and off. In 20 years of coaching in the collegiate, high school and junior college ranks, the fifty-year Runnin' Rebel coach has known nothing but unparalleled success.

In 10 seasons as a major college coach, his teams have appeared in seven NCAA post-season tournaments in addition to his being the winningest active college coach. UNLV, all under Tarkanian, has a 7-3 record in major college NCAA playoffs.

What is equally amazing is that Tarkanian NEVER lost a home game while coaching at Long Beach State prior to coming to UNLV in 1973. His 49er teams won 65 straight home games in the campus gym and Long Beach arena, culminating with a nationally televised impressive 77-66 victory over Marquette.

At UNLV, Tark's troops have been nearly as impressive with an 84-4 record in five seasons in the Las Vegas Convention Center, including a seven-game streak at one point, which is the longest in recent NCAA vintage.

On Runnin' Rebels' game nights, the otherwise stately convention hall is turned into a mass of theatrical light explosions which quickly works the crowd into a frenzy--that's why a prominently-placed sign welcomes visitors with "Welcome to Tark's Shark Tank!"

The only two teams who dared to defeat the Rebels in the 1973-1974 season were Texas Tech, 82-76, and the University of Houston, 75-72. The Runnin' Rebels avenged the Houston loss in 1976, beating the Cougars in the opening round of the Holiday Classic, 116-92.

Last season, the University of New Mexico snapped UNLV's 72-game win skein with a 102-98 win and the Portland State also trimmed the Runnin' Rebels by an 89-84 score.

Sellout crowds have been traditional at UNLV in the Tarkanian era. In the Rebels' two seasons in the West Coast Athletic Conference with Tarkanian, UNLV did not lose a home game in 14 nights. (UNLV has now withdrawn from the WCAC and has membership pending final vote of the president's council to join the Western Athletic Conference.) In five seasons under Tarkanian, UNLV is 33-18 on the road.

In NCAA playoff action after the 1974-1975 season, the Rebels played a subregional game on the campus of Arizona State, defeating San Diego State 90-80. In the NCAA regional tournament in Portland, Oregon, the Rebels were narrowly defeated by Arizona State, 84-81, but bounced back to capture the consolation title by defeating a favored University of Montana team, 75-67.

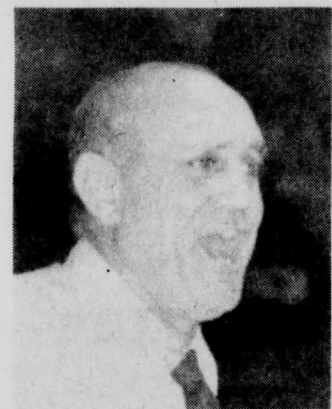
Following the 1975-1976 campaign, the Runnin' Rebels emerged and defeated Boise State, 103-78, in a subregional game played on the campus of the University of Oregon in Eugene. Then the Runnin' Rebels were knocked out of the race for the national championship, losing to the University of Arizona, 114-109, in overtime, at fabled Pauley Pavillion on the UCLA campus.

Before Long Beach State, where Tarkanian's reputation first drew national acclaim, he spent seven seasons in the junior college ranks at Riverside (1962-66) he had a 131-9 overall record, which included three consecutive state championships and four league titles in five years. No other junior college coach in the history of California has achieved those heights. At Pasadena (1966-68), Tarkanian was 67-4 and bagged a fourth state title while finishing in the runner-up spot his other year.

An astonishing feature of his wins is that they have been accomplished at schools which had never previously won a basketball championship. Riverside was last in its conference for two consecutive years before Tarkanian; Pasadena was last in its conference the previous year; Long Beach State had never won a championship; and UNLV had never finished higher than fourth in the WCAC.

The outstanding coach started his coaching career with five years in high schools; San Joaquin Memorial, Antelope Valley and Redlands.

Regarded as one of the great recruiters in the nation, "The Pied Piper of College Basketball" landed for Long Beach State such nationally recognized superstars as Sam Robinson, George Trapp, Chuch Terry, Ed Ratleff, Leonard Gray and Roscoe Poindexter. In his first year at



UNLV, Tarkanian may have recruited as well as he did during his entire stay at Long Beach State.

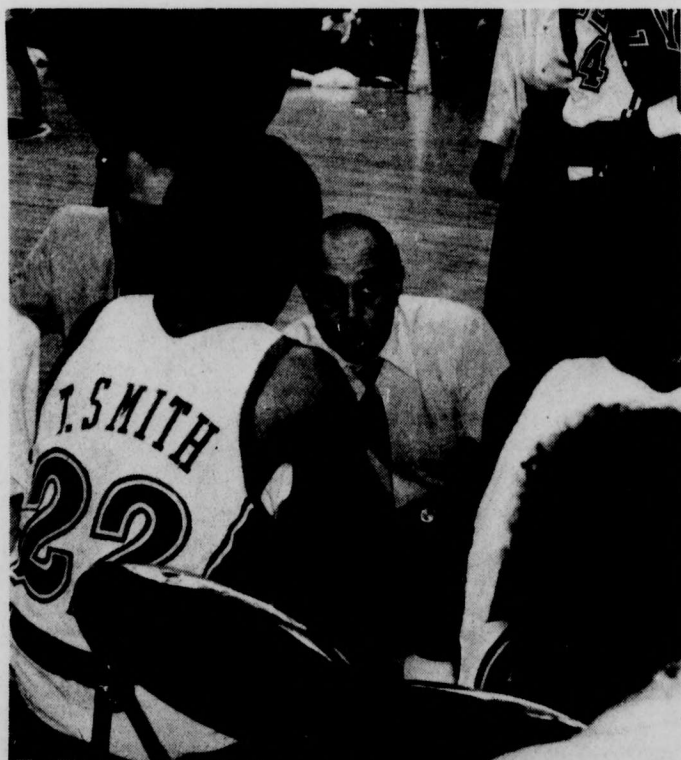
As his winning tradition continues to grow, so does his reputation. Five years ago, Tarkanian brought three high school All-America performers with him. They are Eddie Owens (Houston, Texas), Lewis Brown and Jackie Robinson (both from Los Angeles).

Four years ago, he recruited Robert Smith (Los Angeles), three years ago he brought Sam Smith (Las Vegas), and Reggie Theus (Inglewood, California). Two years ago, he brought in All-Star college center Larry Moffett (Gary, Indiana) and last year Earl Evans (Port Arthur, Texas), more than proved his ability.

Jerry Tarkanian is a towel-chewing, nail biting, hard-working Armenian who came to Las Vegas with a commitment to excellence as his inspiring philosophy. He will settle for nothing less than excellence from his players, both on and off the court.

In addition to a nationally recognized basketball program for UNLV, Tarkanian has developed a tutorial program for his players that have paid high dividends.

UNLV attempts to emphasize equally the importance of basketball and academics to all student athletes.



The Winingest Active Coach In America



The Faces of a Champion



Evidence of his strong belief in academics was his selection as "Professor of the Year" in 1970 by the students of Long Beach State. He was also honored as "Father of the Year" in 1966 by Riverside County for his "guidance and care on and off the court of all the young men under his tutelage, as well as his family of four."

Tarkanian's players have gone on to play professional basketball. They include Chuck Terry (Houston Rockets), Eric McWilliams (Houston Rockets), George Trapp (Detroit Pistons), Bob Rule (Cleveland Cavaliers), Ed Ratleff (Houston Rockets), John Q. Trapp (Los Angeles Lakers), Glenn McDonald (Boston Celtics), and Leonard Gray (Seattle Supersonics). At UNLV Ricky Sobers (Indiana Pacers), Glen Gondrezick (New York Knicks), Roger Smith (Denver Nuggets), Reggie Theus (Chicago Bulls), Larry Moffett (Houston Rockets) and Eddie Owens (Buffalo Braves) have all played in the NBA.

In five years as the UNLV head coach, 14 players have been drafted by the NBA including at least one each year and a NCAA and pro-basketball record of six following the 1976-1977 season.

An intense individual, Tark has coached in Equador for the People-to-people Sports Committee and, in April and May of 1968, he coached the Junior College Olympic Team in the Olympic trials.

The 47-year-old coach easily won the hearts of Las Vegas fans, and the Los Angeles Times called him an "instant Las Vegas celebrity".

A native of Euclid, Ohio, Tarkanian attended Pasadena City College before graduating from Fresno State in 1955. He received his Master's degree from Redlands University in 1960.

Tarkanian and his ever-active, totally-involved wife, Lois, reside with their four children in their sparkling Las Vegas home in Charleston Heights area of town.

With Tarkanian's tradition and colorful image, invitations for him to speak at clinics and banquets arrive almost daily. He will average nearly one per week during the off-season, sending him virtually all over the country.

Following the 1976-1977 season, Tark-

anian was selected by the Medalist Industry as the "College Coach of the Year."

This past summer, Tarkanian got his first crack as an associate director for a new movie which is entitled *The Fish That Saved Pittsburg* and stars Julius "Dr. J." Irving.

Las Vegas is one of the most unique cities in the world, one which sees losers every day. Maybe that's why they appreciate a man like Jerry Tarkanian even more.

He's a winner.

Tarkanian's Terrific Totals

1962-63	Riverside City College	32-3
1963-64	*Riverside City College	35-0
1964-65	*Riverside City College	41-5
1965-66	Riverside City College	33-1
1966-67	Pasadena City College	35-1
1967-68	Pasadena City College	35-1
1968-69	Long Beach State	23-3
1969-70	Long Beach State	24-5*
1970-71	Long Beach State	24-5
1971-72	Long Beach State	25-4
1972-73	Long Beach State	26-3
1973-74	University of Nevada, Las Vegas	20-6
1974-75	University of Nevada, Las Vegas	24-5
1975-76	University of Nevada, Las Vegas	29-2
1976-77	University of Nevada, Las Vegas	29-3
1977-78	University of Nevada, Las Vegas	20-8
TOTAL: 442-57		
Major College: 244-44		
UNLV: 122-24		
*Denotes California Junior College Champions		



22 Guide to Understanding

The Stock Market:

Part II

by Grant Taylor

The stocks of the largest and best known corporations are bought and sold on the New York Stock Exchange. The exchange is not a business; it is a place where "brokers" meet to do business. The exchange itself has nothing to do with the prices of stock, but as a meeting place where buyers compete with other buyers to get the *lowest* prices possible and sellers attempt to get the *highest* prices as possible. It is, perhaps, the most competitive market in the world.

Many people are under the impression that the stock exchange is used as a tool by the major corporations to manipulate prices to suit themselves. This has happened in the past, on occasion, but today it is one of the most regulated markets in the world. The Securities and Exchange Commission keeps a watchful eye on the exchange to see this price manipulation does not take place. In addition, the exchange enforces its own code of ethics which sees that the individual investor is protected.

The SEC even protects the individual from himself to an extent. Before 1934, securities could be bought on *margin*. This consisted of a small down payment, usually 20 percent. Occasionally a customer even bought stock on 100 percent credit. This low margin requirement was a major factor for the depth of the 1929 crash. Today the Federal Reserve Board decides what the minimum down payment will be and a crash of the

magnitude of 1929 is far-fetched. The product of this regulation has been a far more stable market and more of an investors market.

Legally, the exchange is not a corporation, but an association of 1366 members. *Seats* on the exchange are bought if that person is approved by a 33 member Board of Governors. The price of these seats can go into the hundreds of thousands of dollars, and usually does.

The NYSE is responsible for 85 percent of the stock trading volume, but other major stock exchanges do exist. The major ones are American Stock Exchange, the Mid-West Exchange, and the Boston and Philadelphia Exchanges.

If you can buy the stocks of only about 3500 companies on the registered stock exchanges, where can the stocks of thousands of other "unlisted" companies be bought and sold? The answer is the Over-the-Counter Market (OTC). The name itself was derived years ago when the stocks of many companies were sold by merchants literally over the counter. Today, of course, the OTC is much more refined, but the name remains.

The OTC is not a place like the various stock exchanges, but a means of trading. Unlike the stock exchanges, information is not derived on a trading floor, but through a vast communications network. Also, because of the large number of firms listed on the OTC, investment opportunities are far more varied. Highly speculative

"penny stocks" are available as well as the more established "blue chip" variety.

The one common denominator for all OTC transactions is in the way the price of stock is agreed upon. Unlike the auction system on an exchange, prices for OTC listed stocks are arrived at through negotiation. This price negotiation takes place between one dealer and another to arrive at a wholesale price, or *dealer price*, for the stock in question.

Later, the dealer who bought the stock at this wholesale price will negotiate with the original perspective buyer to attempt to earn a profit for himself. This distinction between profit earned by the OTC broker and a fixed commission is one of the fundamental differences between the two markets.

For example, suppose you go to a securities dealer and place an order to buy fifty shares of ABC company.

The dealer does not happen to have any ABC stock in his portfolio, so he contacts another dealer who has fifty shares that he is willing to sell to the first dealer at 10 and three-quarters per share--\$10.85. The first dealer then calls you and asks you if you would be willing to buy ABC stock for 11 and one-quarter per share, leaving a nice, fifty-cent per share profit for himself. If you decide to take that price your broker simply buys ABC stock from his dealer friend at the wholesale price, sells it to you at the fifty-cent markup and the transaction is completed. The question now

becomes: 1) How do you know your dealer got the lowest inside price possible, and 2) How do you know the price he quoted you is a fair one? The National Quotation Bureau (NQB) can help answer the first question. Every day the NQB, a private company, publishes in its "pink sheets" the inside prices on various OTC stocks and bonds. These prices are given by the dealers themselves and the Securities and Exchange Commission sees that the dealers stand behind their quotes.

To assure fair prices Merrill, Lynch, Pierce, Fenner & Smith Inc. introduced to the OTC a pricing policy which virtually assured the customer of getting a fair price. The SEC supervises the market and looks dimly on unfair pricing activities.

Keep in mind that OTC quotes do not represent actual prices, but indications of price ranges which the customer can expect.

Finally, if an investor is interested in the stocks of foreign companies they can just about all be found in the OTC market as well as most insurance companies.

Next week "Guide to Understanding" looks more closely at the major stock exchanges. Also, a look at stock brokers and their profession will be offered. Finally, a practical way of picking the stock that could give you the greatest profit and when to buy and sell that stock.

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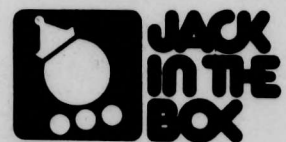
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JUMBO JACK
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Buy One Jumbo Jack,
Get One Free.

One coupon per customer.
Not valid in combination with any other offer.

COUPON EXPIRES June 30, 1979



Foodmaker, Inc. 1978

Vicki from Hollywood By Daniel Murdoch

'She ain't what she used to be...'

It was nearly midnight, a time when tourists have gone and the last of the regular customers are leaving the casino. This is when the losers, the transients, the men and women who haunt the late downtown streets, roam from casino to casino for the cheap drinks, bad food, the warmth and company. The dealers and porters and changepeople who work the late shifts know these people and become friendly with them. There isn't too much work to do that late at night, and these losers are...entertaining. On this particular night, it was especially slow. The cold March wind blew loud through the dark alleys and bright streets outside, following inside every customer who opened the doors. The changepeople working the slot areas nearest the doors and big front windows stayed as close to the warm machines as possible and tried to avoid paying attention to anyone seated near a draft. My section tonight, called, in the vernacular of this casino, the Restaurant Side of Paradise, was near the kitchen and cafeteria, so I felt the warmth from the greasy grills and stoves. The Restaurant Side of Paradise, for this reason, always attracted the most wretched people on cold nights, and they congregated at the top of the aisle, among the nickle and dime machines, pretending to play so they could get free cocktails and skimpy hors d'oeuvres. I never asked if they wanted anything, but I hovered near, listened to them, watched their slow movements.

They spoke mainly of the thousands of dollars they'd lost on the Strip (in casinos that actually wouldn't let them in the lobby). They were all waiting for money to be wired to them, and that's why they were up so late. Their clothes were dirty, their eyes red, cheeks unshaven, but they all came from wealthy areas of the country and had excellent, well-paying jobs. Vegas just had them down temporarily. Each told some bit of his story and the others nodded knowingly. The flashing red lights and sirens of jackpots did not disturb their sensibilities, and I would have been the last to say how appropriate they looked standing in the trash on the floor.

Just after midnight, I saw a woman outside through the windows. She came in from across the street, walking slowly; obviously her only destination was the nearest warm and noisy place. She carried no purse, and was dressed somewhat better than the usual panhandler. She wore a bright pink wool wrap over a black blouse. Scuffed boots showed beneath the too-short legs of her checkered brown pants. She paused at a machine halfway up the aisle when she saw me watching her, reached in her pocket and pulled out a nickle. She dropped it into the machine casually. She pulled the slot handle, and I

could hear the wheels turning above all the other din. The three wheels bumped to a noisy stop, but without the familiar loud clink of coins in the tray. The woman frowned, looked at her wristwatch and glanced out at the street as though waiting for someone. She turned back and started up the aisle once more toward me. Someone had shouted for change, so I left the group I was standing near and walked down the aisle past the woman. When I returned she had dragged a green-cushioned stool up against a dime machine and seated herself with the others. She was talking to them, laughing and smiling as though she had a purpose and was confident of it. She saw me coming and turned to face the machine. When I

"Red or white?" I asked, as though it made a difference to her.

"Red."
I left for the drink, excusing myself through a knot of men grouped around the woman. When I returned, she had a few dimes in the tray and the men were laughing.

"Thank you," she said to me, taking the drink. "You were right about the machine." She went on playing it. When it was plain they stood to gain nothing from her, the men around her slowly drifted away through the casino, eating and drinking their way through the night. I brought the woman drink after drink, and she grew drunker and drunker in a remarkably short period of time, taking



photo by rina gada

passed near her she turned to me.
"What's a good machine?" she asked.
"They're all good," I said.
"Come on. You work here. You know which ones are going to hit. Tell me one."
I smiled. The woman grinned. I was silent for a while, examining her. She was middle-aged; her thin gray hair hung straight down all around her head, and she reminded me of the Hip Generation, twenty-five years before.
"Well?" she asked.
"Why don't you try this one over here," I said, pointing out a dime machine that had been hitting well earlier in the evening. "I don't guarantee anything, but it's a pretty good machine."
"I guarantee you a tip if I hit, honey. How about a drink?"
"What would you like?"
"Wine," she said.

longer to thank me for each drink. She lost all her dimes and sat staring disconsolately at the machine. She began talking to me then.
"What's your name?"
"Danny."
"Well, Danny, I lost all my money." She looked at me over the top of her glasses. Her eyes were puffy and she was unsteady. "What am I going to do?"
"I don't know."
"I might have hit on another machine."
"Maybe."
"I might still."
"Maybe."
"If I had any more money."
She didn't ask me for money, but she made her point. There wasn't anything I could do but give her some of my tips, and I wasn't going to do that. She simply sat there staring at me, gray hair and pink

wrap, and I moved uncomfortably down my section straightening stools and clearing the rubbish out from between the machines. She followed me and took a position on a stool in the middle of the aisle, so she'd be sure to catch me on my way back. As I tried to pass her, she reached out and took my arm. For a drunken old woman her grip was surprisingly strong.

"You never asked my name, Danny."
"What's your name?"
"Vicki."
"Where you from, Vicki?"
"Hollywood," Vicki said proudly. She was quiet for a long time when suddenly, for a single, startling moment, she looked as though she might be sick. I recognized this as the moment of passage from being playfully tight to becoming seriously drunk, and with the cheap, rough stuff this casino served, that moment was especially frightening. The skin of her face seemed to sag; she looked down. She let go of my arm, but I stood ready to catch her if she fell from the stool. She didn't; she breathed deeply, the pain left her face, and she drained her cup.

"Give us another, Danny, OK?"
"Yeah."
When I came back, Vicki had moved and now sat up by the dime machine where she'd begun.

"Ah, you're sweet Danny. I'm interested in you." She drank. "Let's live together."

"Anytime." I was amused now, and there was no one else in my section. I could play games now, and playing games with people who have lost every one they have ever tried is especially fun. Vicki spoke.

"You know," she said, bending intimately toward me, "you're really too good for this place. You know that and I know that. You're wasting your talents here. Why are you here?"

"I'm going to school."
"The university?"
"Yes." I was surprised she knew of it.
"I have a degree in psychology, Danny."
"Oh?"
"I do research, you know."
"No, I didn't know."
"Now you do." She took a long draught of the wine. "I don't usually drink wine. I prefer beer. I know it's not too classy, but I'm just a proletarian at heart." She laughed loudly. "So why don't you get us a beer?"

I got her a beer and brought it back.
"Thank you!" she said, pausing non-

Vicki from Hollywood

continued on page 24

chalantly between the words. "Are you married?"

"Hardly."

She eyed me carefully. "I thought not. I thought not." There was a glimmer of recognition in her eyes that I had long grown used to in the faces of sexually interested customers. "I have a room..." she said slyly.

"And I bet we could make sweet music together. I know."

"I would have suggested we make sweet love together."

"You're drinking too much, Vicki. You're not supposed to proposition the help."

"Not if the help won't help," she said, proffering her empty cup. "Another beer?"

I took the cup from her and dropped it in the garbage as I went to the bar. While I waited for the drink, the breakperson arrived and told me to rest for fifteen minutes.

"There's a woman in my section," I warned. "Keep her full of beer and she's harmless." To avoid Vicki, I went to the break room rather than the cafeteria. When my time was up I returned. I passed near the bar on my way back and peered outside. Wind twisted the fronds of the palms in the concrete planter on the curb, and pieces of paper and cigarette butts rolled across the parking lot. For a moment as I gazed out through the thick glass, I lost the weight of the change belt around my waist, and I was not certain whether I was a customer in this place for the first time, wondering about the trash on the floor, the flashing red lights and bells. I wasn't part of it, and it struck me that people like Vicki were not part of it either. Neither customer nor employee--I wondered how they labeled themselves, what they considered themselves to be--whether it even mattered enough to them to think about it. Then the heavy rolls of coin were back, the thick downward pull of the apron on the muscles of my shoulders and back, the heaviness on the soles of my feet. Vicki, my lady, awaited me among the whirring machines, in the greasy warmth of the kitchen air, poised expectantly on her stool, head up, chins quivering as she swallowed her beer.

"Where've you been, honey? I thought you'd got off."

"I wouldn't leave without telling you, my sweet," I said. "I couldn't stand breaking your heart."

"Bastard," she said calmly, and for a brief moment I realized I had gone too far with my sarcasm, that I had trod too easily on her dignity, little though it seemed to be.

"I am Vicki from Hollywood," she said grandly. She was a good deal drunker than when I'd left her. She swiveled on her stool from right to left, gazing sadly up toward the cashier's cage, then sadly down the aisle through the windows outside from where she had come. "You know, this is something you might understand."

"What?" I asked.

"Why, what I'm about to tell you," she said, as though I should have known instantly what she was talking about.

"Yes?"

"You know, I was like you when I was younger. Just like you."

"How?"

"You know. You know what I mean. My mother was a perfect bitch about it too. I'll bet yours is."

"No."

Well, mine was, till I met a man. A man goddamn it! No one was more surprised

about it than I was, and I called my mother to say, 'Hey Ma! I'm living with a man!' I thought she'd be thrilled I was just like everybody else now. But do you know what she said?"

"What?"

"'Are you married?' she asked me," Vickie said, imitating her mother. "'No, Ma, I'm not.' Then she griped at me and said I was living in sin. Can you believe it? I took up with a man, just like she always wanted, and then she says I'm living in sin. There's just no pleasing her. Know what I mean?"

"Yeah."

"You don't really care though, do you?"

"Yes I do."

She shrugged her shoulders. "Maybe you do. Stranger things have happened in Vegas."

I changed the subject. "What are you doing in Vegas, Vicki?"

"Just passing through. Everyone just passes through Vegas. No one lives here."

"I live here."

"Do you?"

She went on.

"I've been traveling across the country, but the bus driver lost my bags somewhere between Norfolk and Cleveland."

I did not ask her how she'd come all the way from Cleveland to Las Vegas without baggage.

"Vegas is just a bizarre sort of backwater I'm splashing around in till I can get on to LA tomorrow. I've got a real sweet man waiting for me there. Real sweet gentleman. Educated, like me."

"He's not the same one you told your mother about?"

"Oh, no. That was years ago. Lot of water's been passed under my bridge since then." She laughed loudly at her vulgar play on words.

I looked up toward the manager's stand and saw the manager looking at me. I hadn't gone through the motions of looking busy for a while.

"Excuse me," I said to Vicki. I walked slowly down the aisle, restraining the stools, gathering empty cups and cups half full of gin and melted ice and threw them away. I paused at the end of my section just out of sight of the manager, and leaned against the side of a machine. I was tired of playing with Vicki. I wanted to go home. As I watched, a young man with black curly hair wheeled himself clumsily by outside in his wheelchair, went around to the door near the bar and pushed his way into the casino. I watched him disappear around the bar into the other half of the casino, then I returned to my section where Vicki still sat. She waited patiently, tapping her foot in time to the disco music that blared from the ceiling speakers. When I walked back up to her, she continued speaking as though I had never left.

"No, that man was years ago. I met the one I have now in a bookstore in Hollywood. He's real sweet." She paused and looked down at her scratched boots. Then she peered up at me over the rim of her glasses in what I had come to recognize as a characteristic gesture, and her eyes sparkled. "Let me tell you something about relationships, Danny. You're a good boy and you'll listen to me."

"All right."

"Yes," she continued. "Relationships can be great or they can be shit..."

"I know that."

"Now just hold on and let me tell you. Every relationship I ever had-- with a man or a woman-- has taught me one thing." She waited expectantly for my reply. I



photo by rina gorda

purposely stalled so that she'd have time to add a little drama to her reply.

"What have they taught you, Vicki?"

She drew herself up imperiously, sitting as straight as was possible for her, and smiled. "You always end up giving more than a piece of your ass. You give up a part of yourself, in here (she indicated her heart). Remember that, when you're with anyone, you're only half a person. You can only enjoy things halfway; sex is cut into two parts: you and the other one. Remember what I tell you Danny. Don't get yourself messed up with anyone. Stay single. Be independent. Know what I mean?" She belched with her mouth closed and her cheeks puffed out.

"I hear you, Vicki. Does that mean we can't live together?"

She said nothing, but smiled and was silent for awhile. When she spoke again, I thought she'd changed the subject.

"What do you want to do with your life, Danny?"

"I don't know. Be a manager, I suppose."

"You'd make a good one. You're smart. But what I mean to say is, you wouldn't be able to be that all the time if you were with someone."

Her words didn't make much sense, so I paraphrased her. "You mean I couldn't devote all my energy to it? I could only give half?"

"That's what I mean. I always wanted to write," she said. "Just write, and I did, but only half-assed. There was always someone else there to get in the way of my ambition, so I just didn't work at it."

"What'd you write?"

"I started my memoirs."

"They should be interesting."

"You're damned right. But I didn't get any further than my last visit to Norfolk."

"Oh. Why?"

"They were in my bags the bus driver lost."

So Vicki's life had been lost somewhere between Norfolk and Cleveland. I thought this was the funniest thing she'd said all night; she obviously thought it was tragic, so I held my laughter. Instead I smiled tight-lipped, and she thought it was a smile of admiration for her great talent,

and she responded grandly.

"And as soon as I start them again, you'll have a big chapter all to yourself Danny." She beamed.

"I'm flattered."

"You should be. Another beer for someone who's going to make you famous?"

"Yeah, Vicki," I said. She had changed seats when I came back and her legs were crossed.

"Thanks. How many's this make?"

"I haven't been counting," I said.

"Me, either." She paused to swallow a mouthful, then went on about her writing. "You know, I haven't tackled a novel yet."

"Why?"

"I have to live near flowing water first," she said mysteriously, motioning with her hand.

"Then you should move to the john."

She laughed raucously and drained her beer.

"I'd better take your advice," she said, standing up uncertainly. "Show me where it is."

I took her by the elbow to steady her steps, and walked her as far as the top of my section, pointing out the women's room. I doubted she could see it, but she found it and disappeared through the door.

It was nearly two-thirty now, and Vicki's novelty was wearing thin. I hoped she wouldn't come back, since I got off at three-thirty, and I didn't feel like playing with her anymore. But she did return and took up her place on the stool as though it were her room in a hotel. I avoided her, but she didn't seem to notice, or if she did, she didn't do anything about it. A few people had come into my section to play, and I preoccupied myself with them. While I was giving one of them some change, I looked up to see Vicki talking to the man in the wheelchair I'd earlier seen come into the casino. She bent low over him and jabbed his shoulder with her finger, and I worried that she was bothering him. I walked slowly up to them

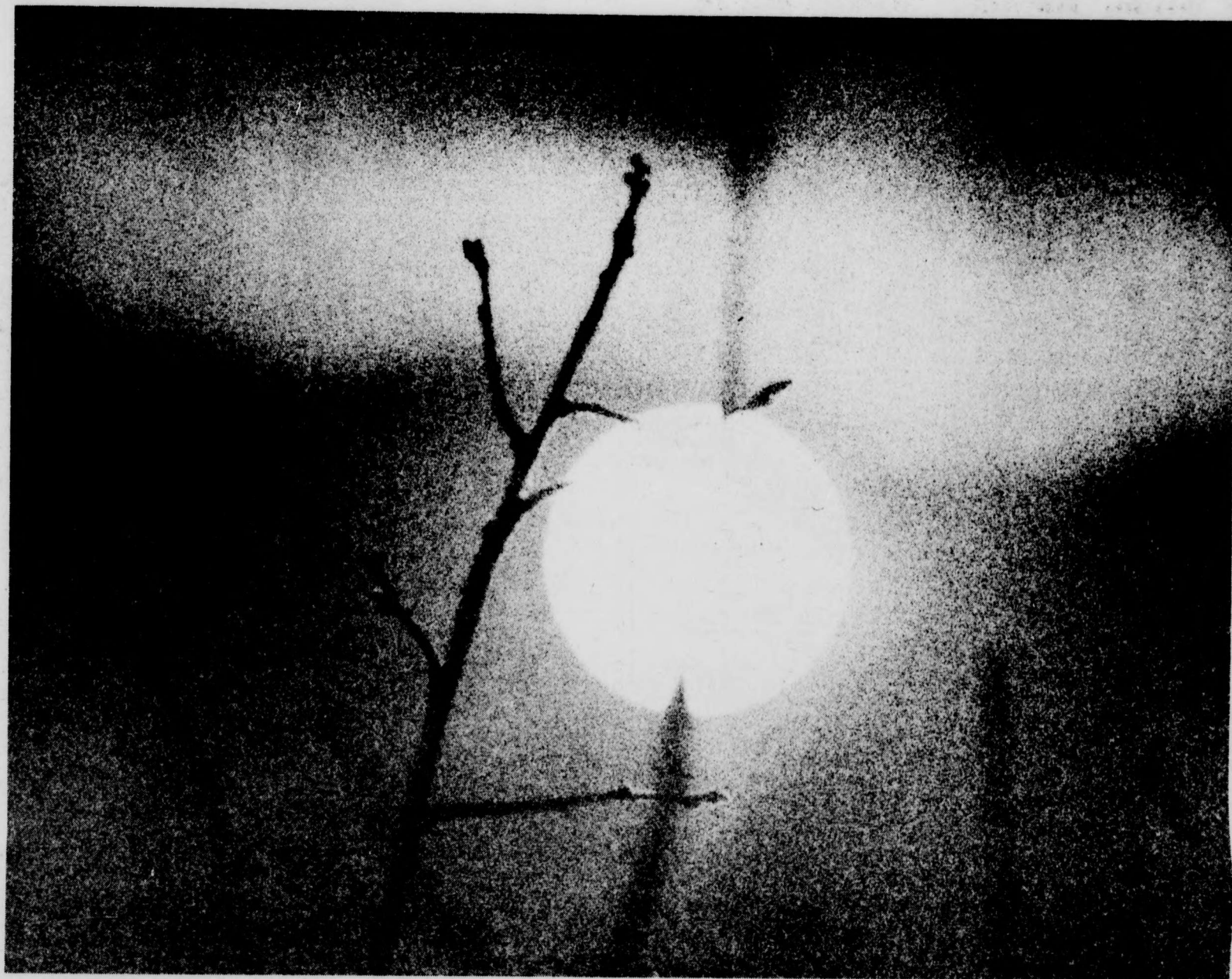


photo by Mike Stuy

Vicki From Hollywood

"I just do my job."

to see if there was anything I could do. The young man was fat and had a black leather change purse chained to his belt. His hair was deep black and curly, his mouth was very small and red like that of a cherub. He had a scar in the dish of his throat that looked suspiciously like a healed bullet wound. He was as drunk as Vicki, and did not need my help. He slurred his words and dipped his head in a manner that would have been pitiful in a sober cripple, but which was merely disgusting in a drunken one. He kept dropping his nickles, and I stooped to pick them up for him and put them into the palm of his cold hand. He mumbled for a rum and coke which I brought him. He set it down clumsily between the machines and promptly asked for another one.

"You're drunk on your ass," Vicki said to him with a misplaced and undeserved note of accusation. Then she turned to me, "He keeps hitting this machine that I told him to play, and he won't give me any nickles. I don't think that's fair, do you Danny?" I didn't want to get involved; the two deserved each other, and I wanted no further part of either of them.

"I couldn't say."

"No, I guess you couldn't," she said. I expected her to ask for a drink, but she didn't, so I left.

Vicki and the cripple continued arguing over his nickles, and they grew very loud.

I returned to them.

"You two are going to have to hold it down, or you'll have to leave. The managers will come after all of us."

Vicki looked at me quite bitterly, as though I had betrayed her.

"We couldn't have that, could we, Danny? Oh, no."

"No," I emphasized. I turned to go, but Vicki reached out and seized my shoulder. Her fingers pressed into my flesh sharply, and I turned back to her. Her eyes held my gaze steadily, and I found myself worried about what she might do. People like this always create a bond between themselves and the changepeople, and consider it to mean more than it really does, like a child mistakenly believing he is the teacher's pet. To these friendless people, there is a mistaken pride in a relationship that never really exists outside their own imagination. And because of this, it is a most rude awakening when their illusion is smashed by a sharp word of authority from their "friends" the changepeople, and they can get very angry. Vicki was angry now.

"I didn't come in here just to harass you," she said.

"I realize that."

"I'm not a drunk."

My surprise turned into anger. "I never

said you were. It's none of my business anyway. I just do my job."

"Your job."

"My job."

She looked at me quietly for a few more moments. The young man in the wheelchair hit a small jackpot and nickles clattered into the tray. He mumbled an expression of joy, dug his grimy fingers into the tray and played the jackpot off the machine. The look on Vicki's face softened.

"You don't really care about me or anything I've said all night, do you?" Her question was tiresomely predictable, and I looked away.

"You don't care at all. I never expected you would. But did you have to lead me with games? You've been playing with me all night. I knew it. You get your kicks that way?"

As though to balance their lack of temperance, drunks are blessed with the disquieting ability to stab dangerously close to the truth with their words. They catch you off guard because you expect them to talk nonsense, but at the most uncomfortable moments, their words are intelligently clear, their aim with them deadly and unerring. I was silent and could feel my face burning red. Vicki went on.

"It's too bad you're that way, Danny. But at least you're in the right place for it. You'll never be bored. Not as long as there're people like me around."

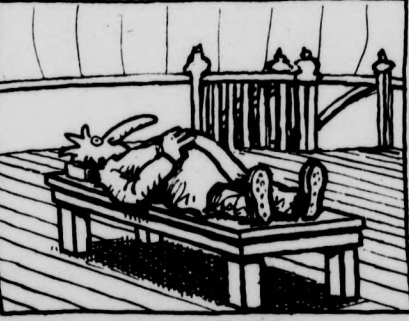
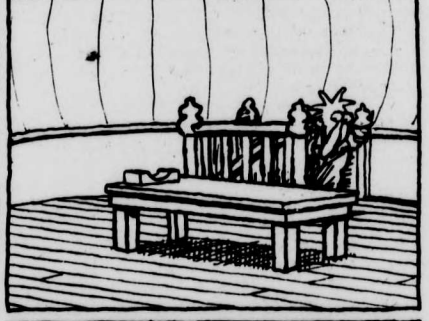
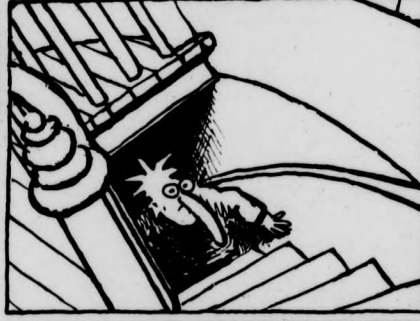
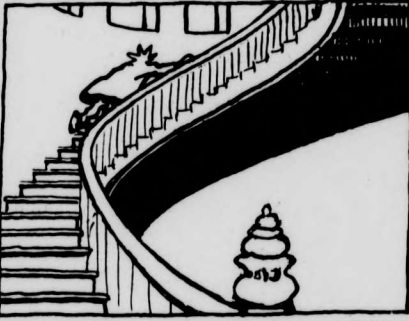
She let go of me and I walked swiftly away to my other customers. It was nearly time for my relief to take over. I was no longer amused by Vicki, but neither was I angry or sorry about what she'd said. I simply wondered how she could seriously pretend to any dignity at all. It was plain she had no self respect, or she wouldn't be in this place, doing the things she was doing. When I looked back, she had taken the grips of the crippled man's wheelchair, more to steady herself than to push him, and the two disappeared around behind the Big 6 Wheel toward the back door. I was relieved shortly after and went home.

I never saw either of them again, though I encountered many like them, and brought them drinks and watched them grow drunk and pathetic. But I stopped playing games with them. It had grown dull through repetition. Long after I had left the casino and forgotten about most of these half people, I still remembered Vicki from Hollywood. I presume she made her way back to L.A., perhaps even into the arms of the sweet man she had waiting there for her.

WONDER WART-HOG

"Philbert Desanex' 100,000th Dream"

by Gilbert Shelton



to be continued...

Anthropomorphosis: the journal of galactic anthropologist Jherik Caul

I am concerned with the exact origin of humanoid life. Tomorrow marks the seven-hundred- and twenty-sixth meeting of the Terracentric Congress. It is there that I shall present my theories. I doubt they'll listen...

"We all agree, gentlemen, that here are seven zones of universal inhabitation, including that of Earth."

"Granted."

They laughed at me.

"And the basic form of life throughout the zones is that of humanoid."

"We are the pinnacle of evolutionary perfection, Jherk--you know, '...in apprehension how like a god...'--all that? We exist through Divine Imitation. At least, we of the Congress do. We're not certain about you, Caul."

I persisted.

"As we so far perceive."

"I maintain, then, that the origin not only of terrestrial mankind, but of the entire Universal Species Homonid, is a common one. Further, there are legends of more than just seven zones. I believe this, and that the key to the origin of life lies within them."

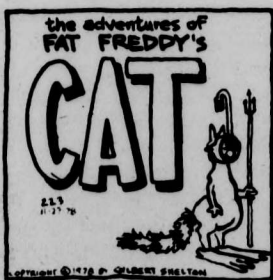
"I believe there is a common origin among all men, a metacenter which not only is the site of birth of all life, but of all matter as well. I'll prove it!"

"Then do. And take your time. We're in no hurry."

The assholes threw me out of the auditorium. I expected as much--I'm prepared to leave immediately...

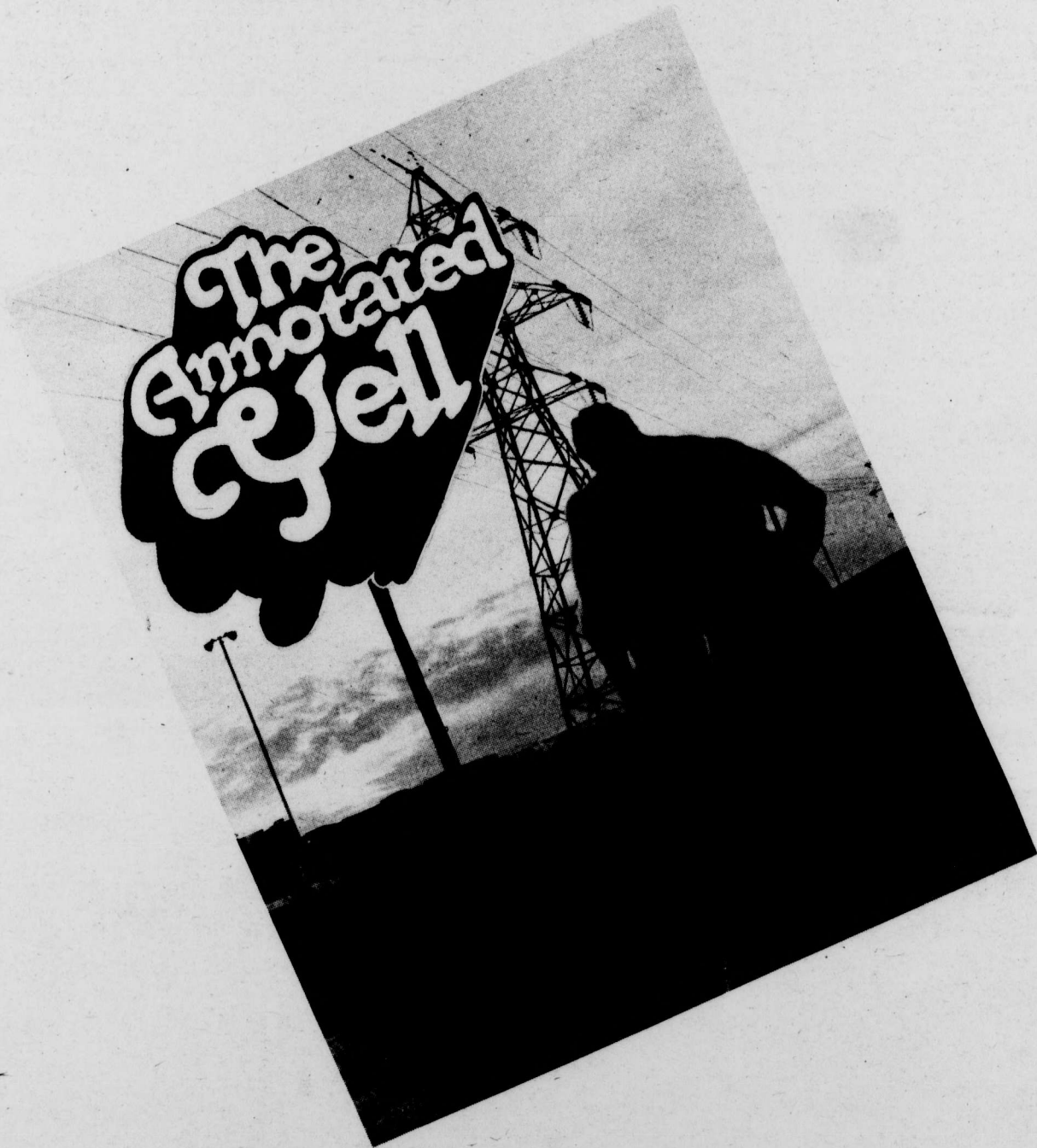
By DR. McBRIDE
McLIS

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Next Week in.....

The Annotated Yell



In part two of **Energy!** *The Annotated Yell* looks at solar complemented fusion, political scientist Allen Russel looks at the politics of energy, and an analysis of wind energy and coal.

Weltanschauung continues its discussion of foreign affairs as contributor Mark Templer offers an analysis of Middle East relations.

Guide to Understanding the stock market part three looks at stock brokers and how to pick the best stocks.

And **Sweet Alkaline** examines slipshod landscaping and defines hot stuff/cold stuff.

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