Earth Day Prelude Features Scott, Nader at Independence Mall Today

By PHILIP KAMIS

Earth Week Activities will move into top gear today as thousands of Philadelphians make their way to Independence Mall for a daylong peaceful protest on abortion rights. Several speakers are scheduled to appear at the rally to express their opinions on the issue.

Among those scheduled to speak is Dr. Robert Moore, the director of the Philadelphia College of Osteopathic Medicine, who will discuss the medical aspects of abortion. Other speakers include activist and author Betty Friedan, who will speak about the history of the women's suffrage movement, and Vietnam Veterans Against the War (VVAW) leader Jerry greenhouse, who will discuss the war in Vietnam and its impact on the American electorate.

The rally will also feature a performance by the band Earth, who will play several songs related to environmental issues. Other performers include singer-songwriter Joni Mitchell, who will perform her hit song "Helpless," and poet Maya Angelou, who will read her famous poem "Still I Rise.

The day will conclude with a silent march through the streets of Philadelphia, with participants carrying signs and banners to show their support for Earth Week and the cause of peace.

(Continued on page 2)

Nixon Orders More Troop Withdrawals

By United Press International

SAN CLEMENTE, Calif. - President Richard Nixon Monday night ordered a 50,000-man reduction in U.S. troops in South Vietnam, within the next year and promised "with confidence" that all American troops will be out of the country in an unspecified future.

"We finally have in view the day when peace will be nothing," Nixon said in a national report on Vietnam. The President assured listeners that the U.S. goal is to "secure peace for the South Vietnamese and the American people."

Nixon insisted that the reduction in U.S. forces means "serious reductions" and that the U.S. "will not be taken advantage of by any future Vietcong escalation in Laos and Cambodia and the war will indeed end by South Vietnam this month."

(Continued on page 3)

Coalition Seeks to End S. Africa INA

By STEVE HALL

As part of a growing national movement toward sanctions and social responsibility of America's companies, a coalition of human rights groups has called for the divestiture of all South African companies. The group, which plans to raise the issue at INA's annual shareholders' meeting Wednesday, hopes to force the corporation to end all investments in South Africa.

The group, composed of 150,000-man reduction would reduce U.S. troop levels in South Vietnam to 250,000, down from the current 300,000. The reduction would be withdrawn in an unspecified period.

The goal of the U.S. strategy is to withdraw U.S. troops from South Vietnam by 1972, but the exact timing of the withdrawal will be determined by conditions on the military and diplomatic situation.

While White House officials said the American public should be pleased with the troop withdrawals, several human rights groups have already announced plans to oppose the moves.

(Continued on page 3)
Visiting 'Dada-jii' Gives Free Yoga Instruction

Visitors are again invited to experience a unique form of spiritual practice at the Harvard Yoga Institute. As a continuation of its annual mission to 'bring tranquility to all men and women amid all projects,' Indian yoga instructor Arvina Vishnudass will be visiting the University this week, giving two lectures and conducting five private sessions for anyone interested in learning the art of yoga.

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DIARY OF A DISCREET RENEGADE

As a reference to the current political tension in the Philharmonic area, the following is a diary entry by a member of the Discreet Renegades, a group of students who advocate for privacy and personal freedom.

The Free Press, The Student Voice of the University Of Pennsylvania, December 1979

The Free Press, The Student Voice of the University Of Pennsylvania, December 1979

PAGE 3

FONZO

WOW! A HALF-PRIICE COUPON

(One complimentary dinner with each dinner served)

Spaghetti and Meatballs $3.95

 механизмы

48TH & CHESTNUT

TICKET A. 23RD

NO SUBSTITUTIONS

(Continued from page 1)

The University's Investment Committee recently approved a project to support a similar program at the University of Pennsylvania. The trustees of the University of Pennsylvania have agreed to contribute $500,000 to the project, which is being supported by the American Foundation for the Advancement of Disease. The University of Pennsylvania will offer courses and programs in preventive medicine, public health, and disease prevention.

Though many restrictions on group activities have been eased, the University still has a strict policy on the use of alcohol. Under the new policy, students found to be in possession of alcohol will be punished.

The University of Pennsylvania has a long history of providing educational opportunities for students. The University was founded in 1740 and has been a leader in higher education for over 200 years. The University currently enrolls nearly 30,000 students and is one of the top-ranked universities in the country.

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The University of Pennsylvania has a long history of providing educational opportunities for students. The University was founded in 1740 and has been a leader in higher education for over 200 years. The University currently enrolls nearly 30,000 students and is one of the top-ranked universities in the country.
The responsibility of corporations to protect the environment has been highighted by the rapid economic growth that has occurred in this country in recent years. The environment is the lifeblood of our nation's economy, and it is important that corporations take steps to protect it.

The issue of corporate responsibility is not new. In the past, corporations have been held accountable for their actions, and this accountability has led to positive changes. In recent years, however, there has been a trend towards deregulation and a decrease in government oversight. This has allowed corporations to act without regard for the environment, and this has led to negative consequences.

In conclusion, corporations have a responsibility to protect the environment. This responsibility is not only moral, but it is also economically sound. By taking steps to protect the environment, corporations can ensure their long-term success and contribute to the well-being of our nation.
Certification tests, required by the State of California prior to the sale of vehicle emissions in the shortest possible time. We’re working in two directions to accomplish this objective: finding new ways to further reduce pollutants from our current engines and exploring, through aggressive research programs, new low-pollutant power sources.

**GM BEGAN EMISSION CONTROL RESEARCH 20 YEARS AGO**

It was some twenty years ago that GM initiated its first research into the control of vehicle emissions. The immediate problem was air pollution in the Los Angeles basin. At that time, air cleaners were the only available way to reduce vehicle emissions in the air a little-known field. Even today, scientists are only beginning to unravel this immensely complex subject.

**WHERE THE EMISSIONS COME FROM**

While it was known that trace amounts of the hydrocarbons which make up gasoline are not burned in the combustion process, it was generally thought that these unburned hydrocarbons were emitted only through the exhaust system. GM scientists learned that only 60% of a vehicle’s unburned hydrocarbons were emitted through the exhaust system—20% escaped through the crankcase vent and 20% through evaporation of gasoline vapors from the fuel tank and carburetor.

**EMISSIONS FROM A CAR WITHOUT CONTROLS**

The major emissions from a car without controls are unburned hydrocarbons, carbon monoxide and oxides of nitrogen. Of these, the unburned hydrocarbons were recognized by GM and government scientists as being the major contributors to Los Angeles-type smog and were selected for emphasis in control. As in most technical advances, progress in controlling these emissions was made in a series of steps, not in a single dramatic leap.

**CLOSING OFF THE CRANKCASE VENT**

The first step was the development of the Positive Crankcase Ventilation (PCV) system. This system, which was installed in all cars sold in California beginning with the 1964 model (1963 model, nationwide), substantially eliminated the 20% of pollutants being emitted through the crankcase vent. This was done voluntarily prior to the existence of government standards.

**EXHAUST CONTROL MEASURES**

Next, systems were developed to control exhaust emissions. Exhaust control systems were installed on most 1966 GM cars produced for sale in California (all 1968 models, nationwide). These systems, along with the PCV control which previously had been made standard equipment, decreased the emissions of hydrocarbons by about 60% from the level emitted by an uncontrolled car.

**CONTROLLING EVAPORATIVE EMISSIONS**

Evaporative emissions from the fuel tank and the carburetor were the last of the three sources to be controlled. All 1970-model GM cars produced for sale in California are equipped for California use, achieved reductions of more than 90% of hydrocarbon emissions and reductions of more than 65% on carbon monoxide emissions compared with 1960 cars without controls.

**WHERE DOES GM STAND?**

Certification tests, required by the State of California prior to production, showed that GM’s exhaust controls are equipped for California use, achieved reductions of more than 90% of hydrocarbon emissions and reductions of more than 65% on carbon monoxide emissions compared with 1960 cars without controls.

We think this is good progress toward our goal of a virtually pollution-free car. While the goal is now in sight, the last mile will be the toughest part of the fight.

**WHAT GM IS DOING**

As we said, we’re pursuing two roads toward our objective of cleaner air: better controls for the present engines and new power sources.

Our research on the current engine is looking into the possible modification of engine design, improved control systems and possibly fuel injection for more precise air-fuel ratios. This research also shows that the use of unleaded fuel would make possible advanced emission-control systems. After the results of this research were discussed individually with different petroleum companies, a number of these companies announced that they would soon offer an unleaded gasoline. With the availability of unleaded gasoline, long-life exhaust catalytic converters, exhaust manifold reactors and exhaust gas recirculation systems could become technically feasible.

We are also continuing to investigate alternative power sources aggressively and completely. We are not committed to the internal combustion engine and are investigating these power sources with an open mind. Steam, electric, Stirling, hybrid and gas turbine engines are being vigorously studied in the largest research program of its type in the world. We will have no hesitation in using a practical low-pollutant alternative to the internal combustion engine.

**WHAT CAN THE CAR OWNER DO?**

Car owners can actively join in the battle for cleaner air.

First, keep your car in efficient operating condition through proper maintenance. Studies have shown that proper engine maintenance can substantially lower a vehicle’s emissions. You should do this anyway to keep your operating costs down and to make sure you are driving a safe car.

Second, GM dealers will soon be offering a low-cost emission-control system to be installed on 1967 models or older (1965 or older in California). The system will include an ignition control device and call for an engine tune-up to manufacturer’s recommendations. Emissions are reduced up to 50%. The system will be available in California when certified by the California Air Resources Board and nationally, as soon as possible thereafter. Have it installed when it becomes available.

**AT GENERAL MOTORS WE HAVE ACCEPTED THE CHALLENGE**

Our society is rightly placing increased emphasis on the necessity for clean air. At General Motors we have accepted this challenge. Over the years we have made a substantial commitment in people, facilities and funds in order to solve our part of the air pollution problem. We will continue this effort until this goal is reached.

**A GLOSSARY OF POLLUTION TERMS**

**Hydrocarbons:** Compounds of hydrogen and carbon. Gasoline is made up of many different hydrocarbons. Both evaporative losses and exhaust emissions contain a variety of hydrocarbons. When baked by the sun they react photochemically with other gases to form smog.

**Carbon monoxide:** A colorless, odorless, tasteless gas resulting from the combustion of carbon with insufficient oxygen. Oxides of nitrogen: A natural by-product of combustion. Lead: An additive used in gasoline to reduce engine spark knock. A principal fault is that it fouls pollution control devices.

**OUR OBJECTIVE: TO ELIMINATE AIR POLLUTION**

**AS IT CONCERNS GENERAL MOTORS VEHICLES AND PLANTS.**

**COMPLETE CONTROL NEEDS YOUR HELP, DO YOUR SHARE BY KEEPING YOUR CAR IN GOOD CONDITION.**

General Motors Corporation
Detroit, Michigan
Quaker Nine Takes Two on Skimmer

By RICK FURLONG

The names are enough to start a bran for a dozen injun.

Marin McFarlane, Larry Harnish, Mike Quinlan, James Greene, Steve Anderson, Bill Hurd, John Carlos, Martin Green, Bill McGrady, Bob Beamer and Mark Morris. These are only some of the studs that will lead over 7,000 athletes into the 76th Penn Relay Carnival this weekend at Franklin Field.

The record breaking shouldn’t stop here. Every year the Quakers bring a record number of athletes to the big meeting. This year they will bring together a record 136 athletes.

Villanova. The Main Liners have had a record 136 athletes in 13 years, winning an unprecedented 10 division for a first-ever appearance at the Olympic Development 100 yard dash.

The Quakers pulled the trick by scoring three runs in the fifth inning runs with a single and a walk, respectively.

For a while it seemed like Army first baseman Ed Zylian was hanging onto the ball. Seeing the Linn twin firing down the first base line probably brought back memories of the first time Pat Wolff hawked the ball. The force of Linn’s casts had knocked the ball far enough to the right for a first on an error, but was erased when Linn hit into a double play on a foul bunt. This brought home Dan thuyền and left a man on second. But the Penn pitcher held Army scoreless in the fifth.

Quaker mentor. "His 74 against St. Joe's on Wednesday, and then again on Sunday, after a 10-1 loss to Penn State, is right behind the third position in the Penn lineup, number two man. The Quaker captain for the past three years, is number two. ELIOT BERRY is number three, and Tim Megear, both of whose-------"

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