Specific pollution results presented

The following is the second in a three-part series on the problem of pollution. This pre-ent week in the Library Auditorium. In this series, the Observer will interview some of the younger generation of scientists and examine some of the problems. It is written by Steve Eilson, an Observer staff reporter.

Sometimes it is easy to put lost in the generalizations of the world. Statistics of pollution are often deplored by environmentalists. This week, two scientists will be interviewed. Their work is concerned with the new field of pollution.

The way professors Wayne Echelberger and Mark Tennyson look at it, "water pollution destroys the beauty of a body of water." In the case of all the residents of nearby Canadiall, Michigan are being deprived of the recreational facilities of Stone Lake. This lake, like many others has been over- nourished by nitrogen and phosphorus found in the runoff from farms and the domestic wastes from cities.

Among the projects sponsored by the Engineering Department is the clean up of Stone Lake as a test of their methods. It has been found that "fly ash"-unburned particulate matter from the stacks of coal-burning factories- will precipitate the inorganic chemicals in the water. This will eliminate the "tea like color" and cut down on the growth of weeds. Furthermore this fly ash forms a barrier at the mud water interface and retards return of bottom pollution to the lake. As air pollution regulation has forced the gathering of the "forty million ton" of fly ash we produce each year and we have only been found for 26% of it, a two birds with one solution seems needed.

Water pollution is significant to more than recreational lake users. In Chicago, "costs of treatment have doubled" because "Lake Michigan is beginning to feel the pinch" and potential drinking water looks.

Protest problems

by CBB Wintrode
Observer Associate Editor

A candlelight march honoring the war dead and the civilians massacred at Pinkville through downtown South Bend on Friday afternoon is this week's South Bend Vietnam Moratorium activity.

"The Moratorium is being conducted to show President Nixon that American workers, and all strats of the South Bend community are in favor of ending the Vietnam War and ceasing our racist policies now," said David James, a member of the St. Joseph County Moratorium Committee.

James felt the Moratorium took on added significance with his reference to Nixon's press conference last night that the United States is, in James' words "subordinating in money, troops, and weapons, foreign nations like South Korea who have troops fighting in Vietnam."

James claimed that he believed Nixon thought it would be better if these foreign troops died in Vietnam rather than American troops.

Lewin said that this statement tied in with the murder of Black Panther leader Fred Hampton and that the My Lai Massacre fundamentally undermines the racist motivation of the American government.

"We are sacrificing non-white troops including the Vietnamese to solidify our primarily American interests, and tied in with this is the systematic oppression of the American people," James said.

"The system we are trying to uphold is of benefit only to White America, and we are sacrificing non-whites to uphold the system. It is the same time any non-white group that challenges this system is repression is destroyed and eliminated,"

"eliminated," he continued.

Moratorium activities will take place on Thursday night and Friday night.

A speaker from the Beaver 55, a group that destroyed draft files in Indianapolis and "hit" the midland Michigan offices of Dow, will speak at a forum on Thursday night at 8:30 at the First Unitarian Church in South Bend.

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Mike Kelly

**Struggle for peace**

Peace, it's wonderful! At least that's what they used to say anyways. Everyone today is working towards peace. When thinking about peace, the first thing that comes to mind is that it is possible only after the evil has been destroyed in a great combat. It is interesting that people seriously plan to defend an entire generation of peace in order to guarantee that the next generation will have it (surprisingly similar to saying that they had to destroy America to save it). I wonder if those who feel that they have the superior moral right to interfere with the lives of others realize that the very actions they urge are justified on the same basis. For example, a group destroys draft records (destruction of property being a minor evil) in order to attack governmental coercion (being a comparatively major evil). Yet the military conscription is considered by those who oppose it as a minor evil compared with the alternative of a weak order (the soldiers thought) to save other lives later on.

The struggle for peace goes on everywhere at all times. Sporadic demonstrations and often crude attacks on dissent are part of his effort to bring peace by building the credibility of America with Nanking. The New Left's demands for immediate and unconditional withdrawal from Viet Nam is based on the assumption that war is no more than one man shooting bullets at another man. If the situation is to be reversed, then it is necessary to go beyond a plan that sacrificed the lives of some Vietnamese villagers in order (the soldiers thought) to save other lives later on.

Secondly, it becomes effective only when it betrays the ideals it professes. Everyone with the possible exception of George Wallace) sharm two maxims. First, it is authoritarian and lacks awareness of individualism. Secondly, it becomes effective only when it betrays the ideals it professes. Everyone with the possible exception of George Wallace) sharm two maxims. First, it is authoritarian and lacks awareness of individualism. Secondly, it becomes effective only when it betrays the ideals it professes.

Panthers fight police

LOS ANGELES (UPI) -- A handful of Black Panthers used homemade and automatic rifles to hold off 300 policemen for five hours yesterday before surrendering into the building. Police used dynamite, tear gas and riot rifles to besiege a group of 11 Panther held up in their two story headquarters near Watts.

The defenders, barricaded behind sand bags and wearing gas masks and bullet proof vests, lobbed hand grenades and tossed back police tear gas canisters at police with non-burnable garbage. In southern Indiana and parts of Appalachian, coal mine waters have been known to infiltrate water supplies. Sit down, have a nice cool glass of water from our own soil are found both poorly de­

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The race this year will be for a 300-yard track, rather than a time race as was held last year. Giannone attributed this to "the fact that having a definite number of laps is a "more interesting race" than was held last year. Trophies, and various cash prizes will be presented at the concert on Saturday night.

Grand Prix lost $2500 last year. Giannone attributed this to "confusion because of the first year of operation," and was confident that it would not be repeated.

"We saw a lot of mistakes that they made last year, and we won't repeat them. We think it will be a success because we'll be building it up all week long."

Giannone also cited the first year expenses that were encountered such as the observation tower, and the snow fence, which will not have to be bought again this year.

"Almost 90% of the halls still have their carts. There are a few isolated halls that we are having trouble with, but for the most part the halls will be willing to cooperate again," he said.

Giannone stressed that "the whole thing from now to the weekend is communication. We have to generate a good response to Grand Prix."

The race will be held in the Convocation Center Parking lot, where it was held last year. The trophy awarded to last year's winner to hold until the next Grand Prix. In addition smaller trophies will be given to the winning individual team members.

"I want to have a Grand Prix Queen, along the lines of the Homecoming Queen," Giannone said. The queen will be selected by the students, and she would preside over Grand Prix events for the weekend.

Giannone said that any students interested in working on GP should contact him as soon as possible.

Jazz Festival offers big bands

The Contemporary Jazz Festival will be offering nine big bands, and an equal number of combos, for its weekend, March 19, 20, and 21.

Thursday night, March 19, at 8:00 in the Center for Continuing Education, to lead off a Symposium Panel of judges will discuss an aspect of jazz. The tentative membership includes Dan Morgenstern, editor of "Downbeat," Ernie Watts, a well known composer and arranger, Dan Ellis a trumpeter, L.I. Johnson, and Archie Shepp.

Friday and Saturday night will feature two jazz sessions at 3:30 and 7:30. With the exception of the Saturday night session, all 18 bands will play. The judges will choose 6 finalists who will play before the special Saturday night session. Several individual awards will be given by the judges.

This year, unlike last, there will be no award for the best over all group. According to Anne Henrichs, head of the CJF, the change was made because "Many of the band members and directors didn't like it. They really didn't like the competition aspect of it. They felt that it stifled their creativity."

A questionnaire was sent out to 12 former judges and band directors asking them how they felt about the award. "11 out of 12 were in favor of eliminating it, so we did," she said.

Miss Henrichs was only able to name three bands who would probably appear at the festival, The University of Illinois Band, with John Garvey directing, The Memphis State Band, with Tom Ferguson directing, and the North Texas State Band, with Leon Breen directing.

The assistant chairman of the festival are Nick Talarico and John Buchanan. Tickets will be sold for the individual performances, or an all-sessions card to cover all events.

Happy Birthday
Harold the Monday night staff

Pittsburgh Club Meeting
Tues. Night
7:30 2D LaFortune
Final Bus Sign-ups
Mardi Gras
Trip to Duquesne Basketball Game

MARDI GRAS '70
RAFFLE PACKETS WILL BE DISTRIBUTED TODAY
AND TOMORROW
- IF YOU DON'T RECEIVE IT BY THURSDAY, CALL 3700.

ATTN: OFF-CAMPUS STUDENTS YOUR PACKETS ARE AVAILABLE
IN THE SOCIAL COMMISSION OFFICE ON THE 4th FLOOR LAFORTUNE
AFTER 2:30 EVERY DAY
Coaches just wouldn't be coaches if they didn't want to win. Sometimes they're worried about all the sophomores they've got to start, sometimes the alumni drive them to distraction, and other times referees seem to have left their eyes in the locker room along with their overcoats.

But today coaches are complaining about schedules. Maybe they'll point to the number of major teams and well in anguish, or they'll find several teams coming off mediocre seasons with loads of returning lettermen, or they'll groan because they play traditional rivals away from home, or they'll cry when they see that a former varsity player, now coach at some obscure college up in the mountains who got on the schedule as a "favor" happens to have three transfers who were JC All-Americans.

Notre Dame head basketball coach Johnny Dee is no different; he calls his schedule one of the toughest in the country. Sound familiar? Maybe so. But Dee is right this year and he can prove it.

At Wright State University in Dayton, Ohio, Gordon L. Wise, Assistant Professor of Marketing, has come up with what he calls the "Pre-Season Basketball Issue of Suicide Schedules vs. Push-over Schedules (Who Plays Em?)." Professor Wise presents with objective mathematical analysis, the plight of long-time basketball teacher who has to endure the right this year and he can prove it.

He begins by ranking the teams by use of a composite of all pre-season ratings and rankings of team strength. This composite yields 46 "rated" teams. Professor Wise then gives each team a "power point" value. From this basic work, he extends the ratings to over 200 teams based on relative strengths within conferences.

With regard to schedules, the professor came up with an "average power point value" for each team's schedule. Tournaments and bowl games are weighted and applied to the total of cases of schedules which involved tournaments ... the number of "Power Points" to be awarded to the teams' schedule was found by determining the mathematical probability of that team's encounter against each of the other teams in that tournament. A certain number of points were added for away games, those usually being tougher than contests at home.

And what did Professor Wise find? Well, when I said Johnny Dee was right about his schedule, I wasn't fooling. The Irish have the nation's second toughest schedule, right behind Michigan. Wake Forest is third (playing in the tough Atlantic Coast Conference), West Virginia and Duke is fifth.

In his own rating system, Professor Wise has Notre Dame tenth. He says, "The Irish are tangling with their toughest schedule ever (they rarely play an easy one)." Their card ... contains eight games against teams rated in the Top Twenty plus the probability of a meeting with No. 1 rated South Carolina in the Sugar Bowl tourney.

The Irish have been moving up on the list for the last few years. They were eighth in '67-68 and fifth in '68-69. Of those eight Top Twenty teams, four (UCLA, Kentucky, Marquette, and Duquesne) are rated in the Top Ten, and South Carolina is first. The Irish play West Virginia in this opening round of the Sugar Bowl Tournament while South Carolina takes New Mexico.

Playing with the eighth and fifth toughest schedules the past two seasons has performed exceptionally well. The Irish have won a two-year composite of 41-16, for a percentage of .719. In the last 38 games, ND has won 30 (78%) including a 3-1 NIT record after last year. Even in the most improbable cases, the Irish have won 20 of their last 25 AWAY games (80%).

The figures (since Oct. 1, 1968) were to Dayton in the NIT overtime, Kentucky, Illinois, Houston, and Miami (Ohio) in the second round, Wisconsin in the Regional. Any time a squad breaks even on the road, they can consider themselves lucky. To win 20% is truly remarkable.

JIM MURRAY

The Redskin's No. 1 defense

Most owners of professional football teams, indeed professional sports teams of all kinds, have little truck with the Constitution of the United States unless it to keep it from falling into the hands of the draft choices.

For Edward Bennett Williams, the Constitution is a toil he carries around like a plumber does a wrench, a bricklayer a trowel, or a burglar a pankey.

He can fix anything with it. The nice thing about it is, he can carry his around a courtroom and then into a courtroom traveling light—a preamble, seven articles, and several amendments. The part of the tool that gets the most work is the first ten amendments, the Bill of Rights.

Eddie Williams is a Hartford-born, Holy Cross-and-Georgetown Law School-educated attorney who has dedicated himself to defending: 1) Joe McCarthy; 2) Jimmy Hoffa; 3) Adam Clayton Powell; 4) Frank Costello; 5) a Russian spy; 6) Confidential Magazine; 7) The Catholic Church; 8) Motion picture writers accused of being Communists.

He has attacked, 1) Wire tapping; 2) the Post Office; 3) Literary censorship; 4) the death penalty; 5) the Congress of the United States.

"I am only implementing 1791 law," he has said. He was sought to defend Frank Costello, it was Costello, then being kicked out of the country as one of the most undesirable elements ever to enter it, who demurred on the grounds that Williams was a "Fascist" who "defended Joe McCarthy." When he defended a Russian, he was a "Commie," "Anti-American." When he defended Hoffa, he got it from both sides. He left a lucrative practice defending Transit Corporations against civil suits when he found out that procedures of defense, taken for granted in corporate matters where mere money was at stake, were forbidden in criminal matters where a life might be at stake--certainly a liberty.

When he acquired the Washington Redskins there were those in Washington who said it was his natural sympathy for one cause rather than another, his interest in certain causes were without any defense, either, the Scottsboro Boys of football. Others, "Eddi," they said in the better law offices, "will get his law license, they won't get him 1-10." Still others believed that the Redskins' Constitutional rights of free assembly were being denied, particularly by the Baltimore Colts when the Redskins were cut off in 1952 when they presumed other sources. "Maybe he thinks he can win the NFL by that course," others gagged.

Others felt it was too bad Eddie's briefs and arguments had seriously crimped Congress' right of direct investigation, because they thought the Redskins were a proper subject for hearings before a committee on standards. When they heard Eddie was looking for a coach, they proposed Ralph Nader.

What a man with a passion for individual liberty and Ingram human rights is doing in the last bastion of totalitarianism, professional sports, proves again there is no difference between Bennett Williams. Professional sports is an oligarchy, the last such, as Tony as Dickens' England. A football player waves his rights when he pulls 55 lbs. over his shoulder pads. The law of football is like the red queens, the "execution, first, the trial afterward." Players are not shipped aboard sealed cars, but they are selected by lot off an auction block. The service of, course is voluntary. The Redskins, of course, choose to start.

Hank Bennett Williams did, to be sure, secure adequate counsel for his defendants. Vince Lombardi is one of the ablest cross-examiners and trial lawyers in football. Previous counsel, Otto Graham, was good at presenting his case but weak at finding holes in the opposition. Lombardi also is better at emotional summations, and Eddie can be presumed to keep him from hitting the help.

Of course, as George Wallace says, you can't rush these things, but the Redskins appear to be well on the road to equality on the field. They may even become The Establishment. But, what I'm waiting for is the day a Redskin No 1 draft choice, a badly needed quarterback, is drafted, and says, "I don't want to play in Washington, I want to play in Los Angeles," and Eddie will pack up his toasts and briefs and tickets, and write a plane out to defend his