Joseph gives annual Chavez address

This year's speech focused on immigration issues with U.S. and Mexico.

Courtney Klein

On Monday, April 14th, Hope College hosted the fourth annual Cesar E. Chavez Address. The address, titled “Crossing Borders: Moving Bridges—US-Mexico Immigration Debate and Challenges,” was given by Daniel Hernandez Joseph, Consul of Immigration Debate and Challenges at Hope.

Joseph has been a Diplomat in Laredo, TX since 1999, and has held many positions that dealt with migratory issues.

Joseph was quick to define what the migrant worker is, and what their goals are.

“Migrant workers are workers looking for jobs that pay better than the ones they already have,” Joseph said.

One idea that Joseph focused on in his speech is the idea of the migrant worker living in fear.

“The experience of the worker is that of Chavez, living in fear of immigration officials. They have lost the right to exist because they live in fear,” Joseph said.

While highlighting the feelings of migrants, Joseph also mentioned the feelings of those who live in the United States.

“Some [Americans] believe they should have no rights, because of their immigration status,” Joseph said.

Joseph's speech focused on the relationship between the United States and Mexico regarding the immigration issue. What Joseph mentioned was the fact that Mexican grants should have no rights, because of their immigration status.

Joséph mentioned was the fact that Mexico immigration status is a big issue for people leaving their country, more CHAVEZ on 2.

Stein addresses campus

Speaker series declared a success by organizers

James Pierce

Ben Stein came to campus last Tuesday and left on Thursday, as often happens with speakers in the Student Congress Speaker Series. The time in between Stein’s arrival and departure, though, was described as “amazing” and “the highlight of the year” by Amy Avery (’02), chairperson of the Speaker Series Task Force, and Matt Scogin (’02), Student Congress president.

“Ben Stein was a Hope student from 1961 to 1963, and won a prize most of us only dream of,” Avery said. “We were just really excited to have him here.”

Avery feels that Hope students are still saying positive things about the Ben Stein visit, and it seems that Hope has left a lasting impression on Stein himself.

“He emailed me and told me that he wanted to live in Holland,” Avery said. “He said ‘it’s the warm center of the universe and he’s like, “Forget Malibu, forget Miami, forget Washington D.C., I want to move to Holland.”’

Avery relates a similar sentiment.

Former Hope student, Nobel prize winner to speak

New technology innovations may lead to replacement of computer chips

Danielle Koski

Nanotechnology seems like a foreign planet to some people, but in short time it could become a part of everyday life.

Rich Smalley won the Nobel Prize in 1996 for his preparation of fullerene, which eventually led to Buckyballs and Buckytubes, and has become one of the main components in nanotechnology research. Smalley will be speaking at Hope on Friday, April 19, at 4 p.m. in VanderWeef 102, and will be talking about “Buckytubes: New Materials and Devices from Carbon.”

“Folks used to think that carbon occurred only as diamond or graphite, but Smalley found a third form of the element, Buckyballs,” said Don Williams, a Hope professor of chemistry.

Buckytubes are extremely small carbon tubes that are arranged in a net-like pattern similar to the pattern of soccer balls, if they were made into cylinders. The tubes have amazing properties, like being 30 to 100 times stronger than steel, and having superb conducting capabilities.

“Well, when you pull on a buckytube, it’s the stiffest damn object in the universe,” said Smalley in an interview he gave to Essential Science Indicators (ESI) in March 2002. These properties have opened doors in technology, especially in the field of electronics.

“Buckytubes might replace silicon as computer chips,” Williams said.

To use Buckytubes in areas of the computer industry could mean super thin flat screens with high definition, and micro-sized transistors.

“Within five years, I’m confident we will find single-wall nanotubes in commercial products, and most likely those will be products that exploit the electronic conduction properties of nanotubes,” Smalley said in the March 2002 ESI interview.

Smalley has won multiple awards for his research in nanotechnology, besides the Nobel Prize. He was elected to the National Academy of Sciences in 1990, and the American Academy of Arts and Sciences in 1991. His work has been published and cited in various scholarly journals, including Science.

“Smalley is personable, charming, smart and won a prize most of us only dream about,” Williams said.

Smalley was a Hope student from 1961 to 1963, then left to complete his chemistry more TUBES on 2.
Four Hope profs plan to retire after this year

Biology, political science, chemistry and education will all lose professors

Becca Haynes Staff Reporter

Four longtime members of the Hope College faculty will say goodbye this year. Harvey Blanke spoor, the Frederich Garrett and Helen Floor Dekker Professor of Biology; Robert Elder Jr., professor of political science; Donald Williams, professor of chemistry; and Ronald Wolthius, associate professor of education will be retiring at the end of this school year.

Blankespoor joined the Hope faculty in 1976. In 1980 Hope students presented him with the “Hope Outstanding Professor Educator” (H.O.P.E.) Award. Since 1990, he has conducted National Science Foundation-funded research in South America and East Africa. Blanke spoor and his wife Marlene were Resident Directors in Cosmopolitan Hall from 1993-2001.

Elder joined the Hope faculty in 1969. He helped to establish Hope’s May term in Washington D.C. in the early 1970’s, and the Hope Washington Honors Seminar in 1976. In 1993 he instituted a faculty exchange with Bishop Herber College in Tamil Nadu. He was also a faculty consultant to the political science department at the University of Colombo in Sri Lanka through a Fulbright grant.

In 2003, he was Hope’s exchange professor at Meiji Gakuin University in Japan. Elder co-authored the text “American Government: Essentials and Perspectives” with Jack Holmes, professor of political science and Dr. Michael Engelhardt.

Williams has been a member of the Hope faculty since 1969. Williams has created courses concerning the environmental consequences of electrical power generation, and the history of the atomic bomb. He has developed the course “Science and Human Values,” since the implementation of the Senior Seminar program in 1969.

He has also consulted with the Holland Board of Public Works and has served on the Board of Governors of the Michigan Low-Level Radioactive Waste Authority. He has won state and national American Nuclear Society Communication Awards for his ability to communicate with the public.

Williams’ wife Susan is retiring this year as director of the college’s FOCUS and SOAR programs.

Williams’ feelings about retiring are: “I’ve known tremendous students who have helped me grow. But I’ve been an eighteen year old student for 46 years, and it’s time for me to move on. I want to retire at the top of my game. I loved teaching, but I look forward to other things,” Williams said.

Williams intends to pursue a variety of interests. “I’ve got to feel useful. But I also plan to do a lot of traveling and photography. I’m going to take my slide show of my funny signs collection to retirement centers in June, where I’ll also do talks on the history of the atomic bomb. If it works, I’ll take it on the road,” Williams said.

Wolthius has been a member of the Hope faculty since 1985, focusing in special education.

During the current school year he has taught “The Exceptional Child,” “Introduction to Emotionally Impaired,” “Psychoeducational Strategies,” and “Senior Seminar.”

Wolthius has also been active at the state and national levels, including the Professional Advisory Boards of the Autism Society of Michigan and the Michigan Association for Children with Emotional Disturbance, Institutions for Higher Education Advisory Committee, and the Education Committee of the Autism Society of America. He was elected recipient of the fall, 2000 “Honorary Professor/Staff Member Award” by the student body. He will present the college’s Commencement address on Sunday, May 5.

Wolthius intends to continue teaching after his retirement.

“We [Wolthius and Sherrie Wolthius] are going to teach in schools for missionary’s kids. I will try my special education training and work with special needs students. My wife has a considerable ESL background which will also be useful. We share a vision for this kind of work. I will also probably work in recruitment, training special education teachers and helping them to develop their skills in teaching abroad,” Wolthius said.

Wolthius considers retirement teaching as a window to several years of numerous opportunities.

“Retirement closes a phase of my career life and opens another. It’s a wonderful experience to take all of the gifts I have been given and to use those further,” Wolthius said.

Wolthius considers his years at Hope to be inseparable.

“Hope has been a wonderful experience for me and my family. Each of my sons has had a great experience at Hope. It has helped me to learn how to integrate my faith and my profession,” Wolthius said. “At Hope I began to understand how the two vastly different aspects can complement one another. I have also learned more on how to be an effective educator on this campus. I have a deep respect and affection for my colleagues here, and I know God is doing important things on this campus.”

Pine Grove to be rocked by Earth Jam Saturday

EIG sponsors annual Earth-friendly event

James Pierce

Earth Day is fast approaching, and Hope’s Environmental Issues Group is throwing a celebration in the pine grove this weekend.

Live music, poetry readings, and paper making are all part of this year’s event, according to Ryan Couch ’04, one of the event’s organizers.

Earth Jam will also feature a raffle and prizes, with proceeds going to buy a tree to replace the ones near DeWitt that fell down recently.

”Earth Jam is a day of celebrating the Earth,” Couch said. “It’s about trying to enjoy being outside, learning about how to protect the Earth, and teaching people about how to make simple decisions on how to help the environment.”

WTHIS will be broadcasting live from the pine grove as Earth Jam is taking place between 11:30 am and 5:30 pm this Saturday, April 20.

Earth Jam has been an annual feature at Hope for more than 12 years, according to Couch.

Admission to the Earth Jam is free, and the only expense for participants is in the raffle tickets, which cost 25 cents each.

In the event of rain on Saturday, Earth Jam will move to the Kletz.

Dan Hernandez Joseph delivered the fourth annual Cesar E. Chavez Address in the DeWitt Center theater.

But that Mexico finally met with the United States to discuss Mexican rights. One of the problems with this issue is that Mexico merely wanted to “shut the door behind them,” Joseph said.

“Immigration will continue, but it will change phases,” Joseph said.

The immigration issue is a continuous one, but Joseph explained what he believed would happen. “Immigration will continue, but it will change phases,” Joseph said.

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Senior art show shines in DePree gallery

Maureen Yonovitz
Senior Staff Reporter

For those who haven’t been to the DePree gallery in a while, the senior art show “Art Addicts: Dealers Welcome” is now underway. The display, featuring the work of senior art majors, began Friday, April 5 and will continue through Sunday, May 5.

From its initial planning to the hanging of the artwork, the show is run completely by the senior artists. Each artist chooses four works to display and presents an artist’s statement.

“It is a time when you [the artists] can truly show what your work is about,” said Jenna Anderson ’02.

Anderson is presenting four paintings in the show. For two of them, entitled Resurrection and Blue Square, she used encasement, which she explains is a wax-like substance that must remain heated in order to keep from drying and then fused to the surface of the artwork, the heat gun after being applied.

“I am relieved because I worked so long to do and finish the works for the show and I can finally just stand back and appreciate them,” Anderson said.

The show includes work from a range of artistic forms. Anna Kohls ’02, whose major focus is in ceramics, has a number of bowl and cup sets in the show.

“Most people think of art as just painting, or just drawing. The art show provides viewers an access to many other media and a variety of styles,” Kohls said.

All students are encouraged to come to the show and experience the many different types of art on display. The artists hope everyone will find some enjoyment in seeing what others have done and possibly gain some inspiration in learning something new about what they see.

“It is just fun to wander around a gallery and wonder what is that big blue square supposed to mean?” Kohls said. “It opens up a new line of thinking.”

Each artist presents with some impressive pieces. Van Coevoorden was selected for her work in choreography.

“It was happy when I heard the news,” van Coevoorden said. “The dance department hasn’t had a recipient of the award in several years. It is not only a good thing for me but also for the department.”

Van Coevoorden has incorporated many other forms of art into her choreography, including the poetry of Hope student Ben Falk ’02 and the painting, “New York City” by abstract artist Mondrian.

Prigdon was selected for her work in creative writing including fiction, poetry and nonfiction. She also included original photography in her portfolio.

“It has been a huge honor, mostly because I was nominated by the faculty,” Prigdon said. “It seemed to lessen the gap between me and the department.”

Prigdon has placed second in the collegiate organ competition at the Music Teachers National Association annual conference in March.

All of Van Tamen’s awards will be publically honored at the annual Honors Convocation on Thursday, April 24 in Dimnent Chapel.

Creativity award given to artistic seniors

Emily Moellman
Arts Editor

The Hope seniors in the arts will graduate with something to show for all their hard work, dedication and creativity. Susan De Kam of the art department, Rachel Prigdon of the English department and Charlotte van Coevoorden of the dance department have recently presented the Mary Van Tamen Prize for Creativity in the Arts.

The prize is awarded annually to a graduating senior or group of seniors on the basis of extraordinary creativity in the general arts and demonstrated original work worthy of critical acclaim in the larger world, appearing in print or other medium. In addition to the honor of the award, the students are also given a cash prize.

Late night jazz concert will jive local restaurant

Rebecca Haynes
Star Reporter

On Thursday, April 18, the Hope jazz ensemble and the Anchor Band will give reason to stay up past your bedtime. The Jazz Chamber Ensemble I, Jazz Ensemble I, and the Anchor Band will present a concert beginning at 10 p.m. at 84 East Restaurant downtown.

Hope jazz faculty member and director of the Jazz Ensembles Brian Coley considers the concert to be an important experience for music students.

“We try to have a concert at least once a year in a club setting. It’s the best place to see jazz music, because the atmosphere is more relaxed. It’s important for the musicians; the students always play better in this kind of situation because they’re more relaxed,” Coley said.

Drummer Mike Kopchick ’04 echoes Coley’s sentiments.

“When you’re playing in a club it’s more intimate of an environment. It doesn’t feel so much like you’re putting on a concert because there’s less pressure. It seems to lessen the gap between the [musicians] and the audience,” Kopchick said. “It’s going to be fun. There aren’t a lot of opportunities to hear live jazz this close to Hope.”

The Jazz Chamber Ensemble I, consisting of five musicians, will play selections from a repertoire including "Lennies Pennies," "Lennie Tristano; Michael Brecker’s "Tea Bag"; "Stop," by Paquito D’Rivera; Duke Ellington’s "Carnation;" and "Witch Hunt," by Wayne Shorter, among others.

The 16-member Anchor Band, directed by faculty members Steven Ward and Thumb Work- ing, will play a selection of songs such as Shelly Berg’s "Miles Mood;" "Loozin;" by Frank Mantooth; Jeff Jarvis’ "The Right Track;" and "Cusha;" by Patti D. Williams.

The Jazz Ensemble I, consisting of 16 members with a different array of instruments, will play selections from a diverse repertoire such as "Three and One;" by Thad Jones; Charles Mingus' "Fables of Faubus;" "The Diver;" by Matt Harris; "April in Paris," by Vernon Duke; "Dizzy Gillespie’s "Be Bop;" and a commissioned piece, "Stella by Holland," written by James Miley.

Coley anticipates an exciting show. “Every time we play [in this type of setting], it’s a blast,” he said. “Students should come down, see their friends have something to eat. It promises to be a great concert.”

The public is invited and admission is free.
Next week will be the last issue of the Anchor for the year and we will be running a “year in review” page, highlighting the campus happenings of the past school year.

This year has been a strange one for me. On one hand, I’m editor of the Anchor and inextricably involved with Hope College. On the other hand, I’m a graduating senior, sick of Hope College, eager to move on with my life and not interested at all in being involved. I think this has given me a unique vantage point for reviewing this year, but for me a unique vantage point for me.

Next week, we’ll take a closer look at this year, but for now, here is my top four list of the best and worst Hope College moments of the 2001-2002 school year.

4 (worst): SAC and Hope Asian Perspective Association (HAPA). In October (Anchor, 10/17), HAPA asked for an apology from SAC for showing the film “Sixteen Candles,” which featured a racist depiction of an Asian character. My problem is not with SAC, who did the right thing in apologizing, but in the campus in general, who responded with a resounding “what’s the big deal?” The big deal is that any group has the right to speak out in their own defense. Hope college students still have a lot to learn about diversity.

4 (best): Ben Stein. Who would have thought that a deadpan Jewish game show host would become Hope College’s patron celebrity (Anchor, 4/17)? Although his speech was a little cheesy and much too long, Hope’s bubble expanded that much more because finally someone from outside the Dutch Michigan world showed interest in us.

3 (worst): Hockey Club not allowed to play on Sunday. When the Hope College powers-that-be told the Hockey Club that if they made it to the championship game they wouldn’t be allowed to play (Anchor, 3/27), the story was picked up by the local press and Hope became the laughingstock of college sports. It’s ironic that a college so obsessed with image shot itself in the foot by showing itself to be hypocritical and backwards. Why would anyone want to play sports at a college that cares more about old-fashioned rules than winning a championship?

3 (best): Gay-Straight Forum (GSF) fights on. Despite being denied official recognition two years in a row, the GSF showed determination this year both before and after the Campus Life Board decision, even enlisting the help of the ACLU and some gay-supporting alumni. It’s still an uphill battle away, but I predict the GSF will be recognized officially in the next few years.

1 (worst): Post 9/11 intolerance. In the weeks that followed the terrorist attacks of September 11, religious articles were stolen from an Islamic student’s room, a bulletin board about Islam was defaced and a racist flyer was seen on campus (Anchor, 10/31). These things may not have been caused by Hope students, but if they were, they were an embarrassment to all of us. Religious and racial hatred is just not acceptable ever. I still hope that the perpetrators will have the guts to apologize for what they did and then make the effort to become friends with a person of a different religion.

1 (best): Post 9/11 unity. September 11 changed the country forever and the hell out of us (Anchor, 9/12). 9/11, and the few days after, was one of the few times that I’ve actually seen the campus getting along, as we stopped being stupid for a little while to help each other regain some purpose in our lives. Don’t forget what that felt like.

1 (worst): GSF denied recognition. I think I’ve already said enough about this in past Anchors. Actually, I’ve gotten quite notorious for it.

The long and short of it: unless Hope College fully accepts gay people and their lifestyle (because they’re not changing), students and faculty will continue to feel unwanted and a Hope College education will completely lose its relevance.

1 (best): Michael Brecker plays Great Performance Series. When the great saxophonist was on stage in Dimnent Chapel playing a virtuoso solo rendition of John Coltrane’s “Naama,” even unspiritual people experienced what it means to be divine (Anchor, 11/28). Hope College should teach us more lessons like that.

The Best and Worst of 2001-2002

Letters to the Editor Guidelines

Open to anyone within the college and related communities
The Anchor reserves the right to edit due to space constraints
No personal attacks, poor taste or anything potentially libelous
Letters chosen on a first come first serve basis, or a representative sample is taken
No anonymous letters, unless discussed with Editor-in-Chief
Editor-in-Chief may verify identity of writer
Please keep letters below 300 words

Mail letters to the Anchor c/o Hope College, drop them off at the Anchor office (located in the center of Dewitt, behind WTHS), or e-mail anchor@hope.edu

Watch this space

Last year, Student Congress used $500 of the student activity fee to buy this scrolling marquee sign in the lobby of the DeWitt Center. Although浦ive last year, the sign has yet to display anything this year. As a service to you, the Anchor will keep track of how many weeks it has been blank in the 2001-2002 school year.

Today’s Count: 29
Hope's culinary professionals speak from the kitchen.

**Jen Troke**

Todd Van Wieren, Certified Executive Chef for the Haworth Center and Cook Hall, got his first job in the food industry at the ten-year-old Hope's culinary program, then G. R. Junior College, where he has been for 24 years. He graduated as a culinary school at Grand Rapids Community College, then G. R. Junior College, which boasts one of the top three culinary programs in the United States.

Van Wieren worked at the Holland Holiday Inn before coming to Hope.

He cooked there for the hotel's first 10 years and was the Executive chef for the last six. Until the Haworth Center was built, Holiday Inn was the only conference center in the area. "This was going to be our direct competitor," Van Wieren said. He interviewed for the position of two Hope students interested in the culinary arts.

"I'm more management," Van Wieren said. "I do the training and the scheduling and basically oversee the kitchen. I have a staff of chefs that work for me.

Six chefs work for Van Wieren, three of whom have taken the culinary coursework at G. R. C. C. One of the chefs is Rebecca Russcher ('96). Although Russcher was a history major at Hope, she has followed a different path since graduation. "As much as I enjoyed my time conditioning- a rarity for large kitchens. Van Wieren doesn't have as much time to enjoy the facilities, however.

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Six chefs work for Van Wieren, three of whom have taken the culinary courses at G. R. C. C. One of the chefs is Rebecca Russcher ('96). Although Russcher was a history major at Hope, she has followed a different path since graduation.

"As much as I enjoyed my time at Hope, sometimes you just have to follow your passion," Russcher said. "Russcher loves cooking, and she says the job at Hope seemed tailor-made for her. They are able to make some of the dishes from scratch.

"It's really very gratifying: doing food well and having people appreciate it," Russcher said. "During the summer, she will teach classes out of her kitchen and return to her nickname at Pedi's pastries: 'pastry goddess.'"

**Lenee Ligtenberg ('04)***

"Sometimes you just have to follow your passion."

- Rebecca Russcher

Ligtenberg is considering the culinary school at Grand Rapids Community College, either as an alternative to finishing Hope or as an option for later. She is also looking at ways to explore the world, such as a culinary school in Paris.

"One of my aspirations, at least at the moment, is to be a chef," Ligtenberg said. "She thinks she would be a career chef in an upscale restaurant or own a bakery.

"I might get into being a pastry chef, because it allows for a lot of creativity.

Ligtenberg said. For Marianne Hoyt ('02), cooking has been a part of life from a young age.

"My family, my parents, have a lot of friends from other countries," Hoyt said. Some of her family began attempting Indian food themselves.

The family tradition first got her interested in the culinary arts. Hoyt's background is Italian, so she comes from a long line of good cooks, Hoyt said. At Hope, Hoyt has kept up with cooking through a favorite magazine, along with reading recipes and watching the cooking channel.

"I'm obsessed with Food and Wine Magazine," Hoyt said. "That is my goal: to write for that magazine.

She took a trip during her time at the college that encouraged her interest in cooking as well.

"I was really inspired by a trip I did to Paris last May," Hoyt said. Hoyt has also pursued other interests, including creative writing. She was born into the culinary profession and returned to a culinary school.

"I threw out all my grad school applications with thinking, and that was my answer," Hoyt said. Hoyt is going to the French Culinary Institute in New York this fall.

She will enter a six-month acceleration program there.

The first three months will be spent practicing in the kitchen, and the last three months will be filled with cooking for the French restaurant connected to the school.

"For the summer, Hoyt will be cooking at an upscale restaurant in Oxford, near her home in Ohio. She cooked two nights a week at Oxford House, which is a private club. She cooked dishes for the job at the Governor's Restaurant.

The future plans will not over shadow past loves, however. Hoyt will continue in her creative writing, despite the busy months that are sure to lie ahead.

"I'm going to do more," Hoyt said. "But there's the constant need to survive."

Hoyt is the Certified Executive Chef for Cook Hall and the Haworth Center.

**Recipe by: Todd Van Wieren, CEC**

**Jalapeno and Cheddar Corn Bread**

- Servings: 8

1 1/3 cups all-purpose flour
1 1/2 cups corn flour
2/3 cups sugar
5 teaspoons baking powder
1/2 teaspoon kosher salt
1 large egg
1 1/3 cups milk
5 tablespoons unsalted butter
1 teaspoon bacon drippings
1 cup cheddar cheese
3 tablespoons jalapeno, seeded and chopped

1. Preheat oven to 350.
2. Combine flours, sugar, baking powder and salt in large bowl.
3. Lightly beat egg, then whisk in milk, butter and bacon drippings in small bowl.
4. Pour wet ingredients in the flour mixture and mix until smooth.
5. Fold in cheddar cheese and jalapenos.
6. Transfer into baking pan and bake 50 minutes.

**In Love**

A food poem by Marianne Hoyt

This is not to say I'm not afraid to eat alone on a flat rim white plate garnished with a slice of tomato, melted butter bottle, sunlight on the side.

To seek it out.

- Lenee Ligtenberg ('04)

Recipe by: Todd Van Wieren, CEC

Servings: 8

1 1/3 cups all-purpose flour
1 1/2 cups corn flour
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Lake Mac has problems but solutions too

Erica Heeg
Anchor Editor

Many may realize that Lake Macatawa isn’t the cleanest lake around but probably didn’t know that it is the sight of intense environmental work and cleanup efforts.

“The state of Michigan collected samples from various lakes, ran them through the lab, and discovered Lake Macatawa had a phosphorus problem,” said Graham Peaslee, professor of geological and environmental sciences. “We had a lot of phosphorus; it’s probably one of the highest in the state environmentally defined here as the area around Lake Macatawa where any drop of water hitting the ground would ultimately get to Lake Macatawa. The watershed includes 100,000 acres in Southern Ottawa and Northern Allegan counties.

“This increase in nutrients causes algae blooms and things like this which basically reduces the water quality,” said Jonathan Peterson, professor of environmental science. “It’s primarily affecting surface water, its uses, recreational things, also the ecosystem. Algae growth takes away oxygen from fish and other things in the water.”

Pollution was really bad in the late ’60s and early ’70s and consequently, says Peterson, in the ’70s some major regulations and laws were passed, specifically the Clean Water Act.

“Part of that was the regulation of point sources—point sources are literally that—anything you can point to where you see discharge or contamination coming out...like a factory’s discharge,” Peterson said. “Point source regulation has been very effective. In the last 25 years we have reduced the contamination and have essentially cleaned up a lot of the surface water.”

Peaslee agrees. “Since the ’70s water quality has improved considerably. The lake is much cleaner in terms of toxins, there is very little DDT or mercury being added,” Peaslee said.

Also, according to Peaslee, environmental indicators have turned around; the numbers of hawks really came up from the ’70s, which means more fish.

“We have been very good at regulating the contaminants from point sources. We can’t get much better on the point sources. Now the challenge is what we call non-point sources or runoff from parking lots, agricultural fields, and roads,” Peterson said.

In 1996, the Macatawa Area Coordinating Council (MACC) agreed to oversee a comprehensive watershed project aimed at reducing the level of phosphorus in the Macatawa Watershed. The MACC formed a partnership with the Michigan Department of Environmental Quality (MDEQ). “The MDEQ is lending technical expertise to water quality sampling and data collection, and is acting as a liaison to the US EPA who is funding part of this watershed,” said MAAC’s website.

MACC, a nongovernmental and non-for-profit organization, began in 1999 and has a ten year program with the goal of reducing phosphorus by seventy-percent in Lake Macatawa by 2009.

“So the state is involved, agricultural groups are involved, municipal townships, etc are involved in trying to rectify this situation,” Peterson said.

Herman Miller Inc., Holland Country Club, Hope College, and Zeeland Township are among the many of MACC’s community partners.

“Basically, everybody’s working together to try and do it the right way,” Peaslee said.

Both professors say that MACC is implementing a series of BMPs (Best Management Practices), which are ways to reduce the input of fertilizers into the water.

Basic best management practices might include suggestions for farmers to try different crop rotation techniques and may include state matching money.

Peaslee, who is in charge of MACC’s technical subcommittee is looking at the technical aspects and prioritizing what needs to be done first and foremost.

“There are so many things to do; you don’t want to wait forever or have some results,” Peaslee said.

Lake Macatawa’s problem certainly isn’t unique. Peterson says that the Clean Water Act is up for reauthorization in the U.S. Congress, and one of the sticking points is non-point sources.

“How do you regulate non-point sources in an intelligent economic and effective way? It’s not as easy as the point sources and agriculture will be affected,” Peterson said.

“Agriculture is very important to our economy and our society. We need to do this in a careful and prudent manner.”

In addition to agricultural problems, the Macatawa watershed only has one lake, which is an unusual topography.

“That means there is nothing to slow a particle of dirt that gets washed down the river here all the way into the lake. We have very mobile soil, and when it rains the river gets brown really quickly,” Peaslee said.

Peaslee adds that MACC is trying to educate the consumer about soil testing and retention ponds.

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For the past 7 years Peterson has been working on laboratory experiments that will help us understand how to cleanup contaminated groundwater, particularly regarding fuel contaminants, gasoline contaminants, spills from underground storage tanks.

“This summer will be the first summer I’m taking a turn in the research, and I’ll actually be investigating the groundwater in the Macatawa watershed,” Peterson said.

“Now this will not be for petroleum contaminants, but it will be looking at nutrient contaminants—nitrates and phosphates which are from fertilizers.”

Peterson says that the surface water has been studied extensively and the connection between surface water and groundwater is just beginning to be realized.

“The last thorough study of groundwater was published in 1958 so it’s time to get back into ground water,” Peterson said.

Both professors also claim that it’s easy for any student, science major or not, to get involved.

“Students can begin by getting involved in our environmental science minor program at Hope. In those courses we talk a lot about solving problems technically,” Peterson said.

Also offered is a public policy course: environmental public policy, which is cross-listed with economics and political science and GES.

“One environmental studies program which is non-science oriented and includes the philosophy of environmental stewardship and the sociological aspects of the environment is emerging as well,” Peterson said.

Peaslee says that students can do a lot in terms of the sciences: research, summer related projects, volunteer organizations, and especially education.

“The way the MAAC is approaching this is they are going to educate at the K-12 level because those are the people you have to catch. Someday they’ll be landowners,” Peaslee said. “They are always looking for volunteers; I’m looking for volunteers to read rain gauges. Encourage everyone to be aware of what’s going on.”

He adds that something even as simple as voting in a local election can make a difference for the future of Holland’s Lake Macatawa.

A dead fish lies on the shores of Lake Mac, phosphorus increases algae growth, taking away oxygen from fish.
Having received the assignment of taking pictures of the sludge which forms a fine layer on Lake Macatawa, I set off last Tuesday to complete the task set before me. Tuesday was the first truly nice day of spring; the sun was shining which kept the clouds that had haunted Western Michigan for the last month at bay. Camera bags over both shoulders, I started my quest, walking north on Columbia Avenue to Macatawa River.

The rank fragrance of the Holland Area Wastewater Treatment Facility wafted on the chill spring breeze. An old red brick building stood along the waterfront, long since abandoned. It had a newer, wooden walkway built along it so people could gaze upon the water. I crossed the bridge, that forms a sort of a border between civilization (the bridge) and nature (the river).

I made my way across the street to Windmill Park, which is opposite Pfizer. I still wonder what comes out of that large, concrete drainpipe that is well covered with greenery. The dock area of Windmill Park is almost completely covered in sludge. Most of the solid matter is made up of various pieces of trees and some garbage, all of which was covered in a film of something industrial. Disgusted (and hungry, as it was now six o’clock), I headed back to Hope. I could imagine a tour guide driving around town, commenting on how Holland has not only its share of solid waste, but an abundance of liquid pollution combining for a truly sulfated effect.

My faith in humanity was restored when a girl in a white car rolled her window down and shouted ‘Hey sexy!’ as I walked by. I doubt she’s ever seen the grime that clogs Lake Macatawa have.

The Wastewater Treatment Facility may filter out raw sewage and the like so that we don’t immediately keel over from drinking the water, but can they catch all of the pesticides and fertilizers that Hope College and many individual residents like to pour on their lawns from spring to autumn? How about all the rock salt that is dumped on roads every winter? There’s a whole lot more than that. We can’t really avoid it either. Water is essential to life, and tap water composes the majority of every drink in Phelps with the exception of milk.

So I’m wondering: What kind of industrial sewage hell are we setting ourselves up for? Ooo reoccurring thought I had during my walk was that of the whole incident with GE and the Hudson River back home in New York State. Once in there, even by dredging or whatever your favorite form of industrial toxic waste removal is, it can only be shuffled around, but it will eventually find a home in someone’s backyard. The only question is where?

A Sludge Tour of Lake Macatawa

Continuing now to where River Avenue crosses the Macatawa River, I noticed a rather large fish that was camped out on the land, well picked over. More pictures of the fish and the marvellous array of litter and filth were stored in my cameras. As I crossed the bridge, I realized that litter forms a sort of a border between civilization (the bridge) and nature (the river).

There were two otters building a nest, in between the green and tan water. I also grabbed a picture of them before I left. I wondered what it was like to live in perpetual toxicity.

Further down the path, I came across the first of several drain run-off pipes leading into the river. A simple steel pipe, embedded in concrete with a loose-fitting cap on the end, it looked like it was a overflow pipe. Water was flowing from it, but something about the situation seemed out of place. Perhaps it was the fact that everything this water trickled over was a hearty rust color. Dirt, garbage, rocks, plants, every thing. What was coming out of this pipe? I later wondered if it was related to the mysterious ‘rot dust’ that settled upon Holland and the immediate area a few years back.

Several pools of this water had formed, reflecting the late afternoon sun with an irreducible usually reserved for erotic beetle shells. This intrigued me, so I moved in closer to get a good picture. While I was walking over the dead foliage, I felt a bit like Luke Skywalker wading through the Death Star’s garbage pit. From what I could tell, the pipe originated at the Wastewater Treatment Facility. I wondered how treated our wastewater really is.

Looking back the way I came, I noticed another pipe, this one concrete. It was slightly hidden by a rise in the topography. I inspected this one and found it to be emitting the tan liquid I saw collecting near the otter’s den.

I took some more pictures and moved on. I had my second encounter with wildlife as I saw two ducks sitting on the surface of the river. I was going to take a picture of them, but they saw me first and hastily left. Crying furiously, what I can only translate as ‘filthy human! filthy human!’ I met them later on, digging for food amongst the probably poisonous muck.

Then I saw something new. Further down the path, I came to a small, shallow pool of water. It was surrounded by green grass, and nature (the river). There were two otters building a nest, in between the green and tan water. I also grabbed a picture of them before I left. I wondered what it was like to live in perpetual toxicity.

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Ultimate teams advance to regionals

Both men's and women's ultimate teams place third at sectional tournament.

In the true spirit of the game, both the Hope College Men's and Women's Ultimate teams overcame muddy fields and solid division I opponents for regional competition, each placing third in their respective sectional tournaments last Saturday. Each team used a combination of intensity, fun, and teamwork in order to win.

"I thought we played really well, and the keys were that we played together as a team," said men's co-captain Brad Johnson ('03). "It was the best we've ever played as a team, it was the first time this season we've had the whole team together for a tournament," said Clay Crosser ('03). The sentiment was the same for the women's team.

"It was the best tournament I've ever been to with the women's team," said Sam Sandro ('02). "All of our players played well, and the keys were that U of M, Hope once again fell behind by a score of 7-2, before rallying a 5-run lead before halftime. U of M gradually pulled away, but Hope missed several chances in the end zone that could have made up the difference.

"If we really wanted to play, we could have made up the difference," said John Goupell ('05). On the women's side, Hope was victorious against Calvin 11-4, University of Michigan B 11-2, and Western 8-4 (timedcap), but lost to MSU 11-4, and to University of Michigan 11-5.

Each team is looking forward to doing well at regionals, and toward next year's season. The men especially are looking to gain experience to make an even better run next year. They will only lose one senior, Tony Cappa ('02), this year and have several young promising players returning, but new members of the team, even people who have never thrown a disc before are members of the team, even people who have never thrown a disc before are.

Tony Cappa ('02) lays out for a disc to score against the University of Michigan.

"We're definitely an up and coming team, considering how we played against MSU and U of M. It just shows that we can play with big teams," said Cappa. "I just want to have fun, and play well as a team. I don't think we'd have any problem going into the top 8 at regionals," Johnson said.

It's a bigger tournament, just because it could end our season anytime. You want to go out and play really hard and make it your best effort. It's going to be tough, but I think on any given day, whoever wins is just whoever wants it more," Goupell said.

Flying Dutchmen baseball extends winning streak

BJ Maas's grand slam lifts Hope past Aquinas College

It is every little league player's dream to be able to hit a grand slam in the bottom of the ninth with two outs to win the game. Hope first baseman B.J. Maas ('03) may not have done that in little league, but that didn't seem to affect him as he approached the plate on Tuesday evening.

With the bases loaded, Hope trailing 10-7, and the school's record winning streak on the line, Maas cranked a shot over centerfield, removing any doubt of whether the streak would continue or not, giving Hope an 11-10 victory.

The win put Hope's overall record at 19-3, while their conference record remains at 6-0 since Aquinas is non-conference.

The game turned into a slugfest from the very first inning, and the lead would change four times throughout the afternoon. Aquinas went up 2-0 in the first inning on two solo home runs. Hope would score a run in the second inning, then Kyle Trapp ('05) and Justin Krubs ('04) would be waved home in the third to put Hope up 3-2.

The game would remain close until the sixth inning, when Hope responded to an Aquinas run with a three-run homer by Eric Mackenzie ('04). Clisby Jarrod ('03) was then driven in to extend Hope's lead to 7-3. Aquinas would overthrow the Hope defense in their final two at-bats, however, scoring seven runs off five hits and a few Hope errors to make the score 10-7 in the bottom of the ninth. After Hope loaded the bases with two outs, Maas's big hit secured the victory.

Hope cycled through four pitchers during the game. Andrew Vlasek ('05) pitched seven innings, giving up five hits and striking out three, but it was Mike Billingsley ('05) who picked up the win in the final inning.

The Flying Dutchmen will travel to Adrian this weekend for an MIAA tricylead against the Adrian Bulldogs. Game time begins Friday at 4 p.m.