Kwanzaa Celebration a Success

by Cathy Schmidt
News Editor

History, food, culture, fun and entertainment were all found at the Kwanzaa celebration in Lawrence's Colman Hall dining room on Saturday, January 8. Kwanzaa began in 1966 as a celebration of African heritage for African-Americans. It takes place from December 26 to January 1, and highlights Nguzo Saba, seven principles to follow for a more enriching life: Umoja (unity), Kujichagulia (self-determination), Ujamaa (collective work and responsibility), Ujamma (cooperative economics), Nia (purpose), Kuumba (creativity), and Imani (faith). The principles are represented by seven candles, three red, three green, and one black, which are lit during the nightly Kwanzaa ceremonies.

Lawrence students, faculty, staff, and also a number of people from both Appleton and surrounding communities filled Colman dining hall to enjoy the festivities. Guests were welcomed by a traditional Ghanian greeting song performed by the Lawrence percussion group Sambatasi (directed by Dane Richeson), and a Ghanian dance performed by Lawrence students Nana Baffour and Mamadou Asante-Kissi. Christopher Nwabeke, Dean of Multicultural Affairs, spoke on the historical background of Kwanzaa, and then led a candle lighting ceremony in which six Lawrence students participated. Chiza Vitta, Tracy Donald, Dinah Ashford, Daniel Ashford, Ernst Cajuste, and Suzanne Griffith each explained the significance of a Kwanzaa principle and lit one of the candles.

Following the ceremonies was an African-American meal prepared by LU students. It included dishes such as Kwanzaa Chicken, Fried Green Tomatoes, Spicy Peanut Soup, Collard Greens, Black-Eyed Peas, and Sweet Potato Pie. After the meal, Angela Muvumba told stories and Esi Asare, Akua Frimpong, and Catherine Lephoti performed an African dance. Then, the audience was entertained by Malife Nkrumah, an African Griot (Storyteller). In a very open and excited manner, Nkrumah "invited the audience to tell the audience traditional African stories. The evening concluded with a closing statement by Nwabeke. Following the ceremonies was an African-American meal prepared by LU students. It included dishes such as Kwanzaa Chicken, Fried Green Tomatoes, Spicy Peanut Soup, Collard Greens, Black-Eyed Peas, and Sweet Potato Pie. After the meal, Angela Muvumba told stories and Esi Asare, Akua Frimpong, and Catherine Lephoti performed an African dance. Then, the audience was entertained by Malife Nkrumah, an African Griot (Storyteller). In a very open and excited manner, Nkrumah "invited the audience to tell the audience traditional African stories. The evening concluded with a closing statement by Nwabeke. Following the ceremonies was an African-American meal prepared by LU students. It included dishes such as Kwanzaa Chicken, Fried Green Tomatoes, Spicy Peanut Soup, Collard Greens, Black-Eyed Peas, and Sweet Potato Pie. After the meal, Angela Muvumba told stories and Esi Asare, Akua Frimpong, and Catherine Lephoti performed an African dance. Then, the audience was entertained by Malife Nkrumah, an African Griot (Storyteller). In a very open and excited manner, Nkrumah "invited the audience to tell the audience traditional African stories. The evening concluded with a closing statement by Nwabeke.
Dear Editor:

It is 6:15 on the 1st of December. I have just returned from Dowsener and I am earnestly trying to calm myself down. I have to admit that I am deeply disgusted and offended.

Until tonight, I respected Lawrentians for Life. I am pro-choice, but I believe I was supposed to stand up for what they believe in. Unfortunately, they lost this respect by showing such a sensationalistic video. Sure it's going to attract attention, but it's not about to change anyone's mind. It isn't as if any Lawrence student is going to walk into Dowsener, see pictures of aborted fetuses, and say, 'My god, I never knew abortion meant killing fetuses.' At least I hope not. Everyone is entitled to their own opinion. People who share similar views on a subject are welcome to organize themselves. But no one has the right to employ such a disgusting, sensationalistic video to promote your organization. It is offensive and it is unnecessary. Please reconsider your recruiting techniques. Jason Valerius

Dear Editor:

I don't wish to belabor my point about the dangers of the "chilly climate" sections of sexual harassment policies. Instead, I wish simply to call the attention of the community to a terrifying account of recent events at the University of New Hampshire. This report, aptly titled "Guilty if Charged," appears in the current (January 13) issue of the New York Review of Books. I think anyone who reads it will be amazed at the extraordinary injustice such a policy can permit in an atmosphere where the First Amendment to the Constitution can be dismissed as "just another yoke" around women's necks (Barbara White, Associate Professor of Women's Studies, University of New Hampshire). This report makes vivid the problems I have been attempting to point to, problems which have resulted in unjustly ruining a man's life, problems Professor Sanerib can glibly dismiss as mere "carping." I'd like to say "it can't happen here," but it can. For all I know, it already has.

Sincerely yours,
Bertrand A. Goldgar, Professor of English

Got an opinion?

We're waiting for YOUR editorial comments!

Letters to the Editor must be received by the Friday preceding publication at the Info Desk in the Union.

If you would like to write an opinion piece of article length, please contact Kimberly Pichler at x7574.

The Lawrentian

The Lawrentian, USPS 306-500, is published bi-weekly, fifteen times a year while classes are in session, and is distributed free of charge to students, faculty, and staff on the Lawrence University campus. Subscription is fifteen dollars per year. Second-class postage paid at Appleton, Wisconsin. POSTMASTER: send address changes to The Lawrentian, P.O. Box 599, Appleton, WI 54912.

Editorial policy is determined by the editor. Any opinions which appear unsigned are those of the editor, not necessarily of The Lawrentian staff.

Letters to the Editor are welcome and encouraged. No letter can be printed unless it is less than 350 words and legibly signed by the author. Names may be held upon request. The editor reserves the right to edit for style and space. Letters must be submitted by 5 pm on Sunday to the Information Desk or mailed to the above address.

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Letters to the Editor

THE LAWRENTIAN

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FORBIDDEN WORDS 1994

Letters to the Editor
January 19, 1994

News

New Hall Director in Brokaw

by Joyce Bokodynska
Staff Writer

Denise Ann Oligney is the newest addition to the Lawrence community. She is the Residence Hall Director of Brokaw and the coordinator of the Alcohol and Drug Education Committee. In addition to these positions, Oligney also sits on the Wellness Committee and the AIDS Task Force. To her, her new tradition is beginning the term with her hands full!

Before coming to Lawrence, Oligney was a graduate student at Kansas University. While there she decided to switch to something else, since the program she was in did not suit her needs. In the interim, she applied to Lawrence University and Wartburg University (Iowa) for a position on the residence life staff. Her current position is not an entirely new one, though. While at KU, Oligney was the assistant director at one of its residence halls. As a matter of fact, she is used to being in charge of over seven hundred people, as Brokaw seems rather small in comparison! This does not bother her, as she says that it will give her an opportunity to get to know her new neighbors better.

Oligney was one of three children. Born on February 27, 1971, she says she is excited about her upcoming "golden birthday": twenty-three on the twenty-third! Despite having been brought up in northern Wisconsin, Oligney had forgotten about the weather in these parts. In addition to getting acquainted with Lawrence, she says she will have to get re-acquainted with the cold! I asked her to tell me something about herself and found out quite a few "weird, quirky things" about our newest hall director. For instance, her left foot is one whole size smaller than her right! Her favorite color is blue and the music she enjoys listening to most is Alternative or early-eighties. Denise is fond of pets and told me all about the cat "Giggles" she had as a child. She now hopes to acquire fan-tailed goldfish.

When asked what her plans for the future were, Oligney replied that she definitely wants to obtain a Masters Degree in Education sometime in the near future. For the moment, though, she is going to concentrate on getting to know the residents of Brokaw better and involving herself in as many activities as she can, starting off with broomball in the upcoming intramural se­ries.

Before leaving, I asked Oligney if she had a parting shot for The Lawrence. Laughing, she replied, "I am NOT dating Joe Horihan! Maybe this article can put that rumor to rest."

Creation of New Nations

By Rachel Rons
Features Editor

On January 11, while President Clinton was in Europe pitching his “Partnership for Peace” proposal, Martin Butora gave a lecture entitled “New Freedoms and Old Ghosts: Ethnic Nationalism in Central and Eastern Europe.” Butora, among many other accomplishments, was the human rights advisor to then-Czechoslovakia president Vaclav Havel from 1990-92. Butora is a faculty member at Trvanova University in Slovakia as well as being associated with the Woodrow Wilson School of Public and International Affairs at Princeton.

One aspect of Butora’s speech dealt with the sense of nationalism felt by various ethnic groups in Central and Eastern Europe. The old communist regimes that had combined various ethnic and cultural groups into a single country are gone. The most famous example would be the breakup of Yugoslavia and the resulting conflict between the Serbs, Bosnians and Croats. Butora used a violent example that Butora used of his home, the former Czechoslovakia, which has split into the Czech Republic and Slovakia but also has other ethnic groups within its borders such as the Hungarian minority in Slovakia. Butora described the sense of nationalism that is sprouting up in Eastern Europe as a global phenomenon.

The transition of post-communist countries includes the task of changing their countries into pluralist democracies, creating a market economy, and the internal struggles with new cultural boundaries. This is difficult, Butora says, because New Eastern European countries “Have inherited problems that can’t be solved immediately.”

According to Butora, many of the ideas from the communist past are still in people’s minds. For example, in the transformation from command to market economy in the Czech Republic, Slovakia and other former Soviet-bloc countries, the public backs free enterprise yet wants guaranteed employment.

In an effort for greater economic security, Eastern European leaders desire to see their countries as full members of the European Union which was formed by the passage of the Maastrict Treaty last year. Entrance into the European Union would allow the new countries to become a part of the single currency system and be able to take advantage of the relaxation of trade barriers. Many leaders are enthusiastic about Clinton’s “Partnership for Peace.” But, Butora warns, those who do not want it will try to undermine the plan.

Butora stated that he felt that the key to future stability and prosperity for the Czech Republic, Slovakia and other Central and Eastern European countries lies with the West. He acted positively toward President Clinton’s proposals. “Let’s make a deal of it” Butora said.

“Does the Economic Rise of East Asia Mean the Political Fall of Western Democracy?” is the next lecture sponsored by the Majmor Poslovsky Lectureship Series and will be held Monday, Jan. 24 at 7 pm in Main Hall.

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Sexuality in the Academy:
A conference on Gay and Lesbian Studies
January 29, 1994
Wriston Art Center Auditorium
sponsored by LU BGLA

Keynote address by Jonathan Weinberg, Yale University
"Making it Queer: The Gay and Lesbian Presence in Art History"

Christopher Lane, UW-Milwaukee: “Controversies of the Sexual”

And informal presentations by LU faculty:
Tim Rodgers, Tim Spurgin, Bridget-Michaele Reischl, Hazel Spears, Judy Holland Samecl, and Don Adams

Poison, a film by by Todd Haynes, at 8:30 pm

LUCC ELECTIONS

Information regarding the upcoming elections for the positions of LUCC President and Vice President are now available at the Information Desk. The petitions for election required for candidacy are also available.
Features

LU Students Return From Off-Campus Programs

Russia
by Karl Greene

As I sit down at the computer to attempt to summarize the four months I spent in Russia I get angry at myself—how can I possibly convey all the emotions, observations, and experiences in a few short paragraphs? My attention was dedicated to the collection of banal catch phrases and easily misconstrued information. Yet, I also realize I cannot let the entire experience go unshared. There is still so much propaganda and ignorance lingering in the minds of most Americans regarding the dynamic and fascinating country I had begun to consider as a second home. To let that ignorance go unchallenged would make my entire stay too personal—as if it almost didn't happen.

The ACM, other Lawrenceans, Anne Black and Jonathan Christensen, left for our adventure in mid-August. We spent much of our time together, but ultimately, we each had very different experiences. Being the only one out of the three of us who had never traveled in the former Soviet Union (FSU), I assumed the role of the "ignorant" American traveler. Although I had studied much regarding Russia, the Soviet Union, and their histories, I still was immediately aware of the discrepancies between what I had read and seen compared to what actually existed in everyday life. The daily warnings I had received regarding my departure regarding the lack of food and length of lines became laughable fodder in theocrisy. Those days were spent almost continuously around the infamous Russian kitchen table. There is an ample amount of food because most people grow the majority of their food in their dacha, a small house (more like a cabin) located on a plot of land outside of the city. The staples actually purchased are cheese, sour cream, sausage and butter. Government-owned stores still exist but there are numerous private businesses and entrepreneurs found at the central market, which is an experience unto itself.

The dynamic political situation is both too important and too insignificant to affect everyday life. Although the people are highly educated (maybe even better off than we are), the "state TV" and "state radio" of the current "democratic" political system highly resembles the state TV and state radio of current television programming. Yes, the people were cold and rude on the streets, business in their homes they were the warmest, most giving people I had read about. They had become family and could do almost anything to make me feel accepted and loved and within two days I knew how difficult it would be to say goodbye by the end of the four months.

Although there are a few merely bits and pieces of a whole experience that can never be fully shared, the events are so significant, so meaningful. The experiences of others are not always clean and safe, the city is not a huge monolith to be avoided—it is a safe, the city is not a huge city. Each of these sections is equally varied and interesting. All bring new experiences back to the Core Course every time you meet again as a group.

The Urban Studies program is a current experience in Chicago. By living outside the US, you are encouraged into travel into the English countryside, the Continent and to explore London as much as possible. By living outside the US, students can see events and learn about things from different perspectives. I encourage everyone take advantage of off-campus programs offered at LU.

Urban Studies: A Current Experience in Chicago
by Roger S. Duncan

Chicago. For many Midwesterners this is a word which evokes images of crime, poverty and banning of information. Yet, the ACM Urban Studies Program denounces Chicago. Through the course of the semester program students are introduced to the city on a personal level. Chicago for me this is a word which evokes hundreds of real places and faces. Living in Chicago has assured me that the city is not a huge monolith to be avoided—it is a vibrant mass of people whose interests and experiences are impossibly diverse and frequently conflicting. The Urban Studies program is a current experience in Chicago. By living outside the US, you are encouraged into travel into the English countryside, the Continent and to explore London as much as possible. By living outside the US, students can see events and learn about things from different perspectives. I encourage everyone take advantage of off-campus programs offered at LU.

Chinese Language and Culture
by Sarah Powers

Last term I had the opportunity along with four other Lawrence students (Amy Eistrup, Jill Shaw, Bill Rohrbach and Becky Leech) to spend a semester studying and traveling in The People's Republic of China. Our home base in China was Tianjin, just a couple hours away from Beijing on China's Eastern Coast. We studied Chinese language and culture at Nankai University and also traveled to sites of cultural and historical significance all over two or three weeks. Not only did we all increase our abilities to speak and understand the Chinese language, but we also were able to see life in China first-hand, albeit from a foreigner's perspective.

I think that one of the most valuable learning experiences which I had in China was gaining a new understanding of how American Students look upon China. It was a very different experience that can never be fully shared, the events are so significant, so meaningful. The experiences of others are not always clean and safe, the city is not a huge monolith to be avoided—it is a safe, the city is not a huge city. Each of these sections is equally varied and interesting. All bring new experiences back to the Core Course every time you meet again as a group.

Tuesday morning comes leisurely. You make your way over to one of the apartments in your neighborhood where some of the other ACM students are living. A group of you live in the same community for support purposes. Your neighborhood is 99% Mexican, and often you discuss your experiences in relation to the next visit on Friday morning.

You go back to your apartment, make dinner and, although your roommate is going out, you decide to stay in tonight. Today's been busy and you spend all day tomorrow at your internship—where you are given responsibility and expected to perform well.

My experience in China was very positive. I worked as an intern in a photojournalism for the Pioneer Press in St. Paul, Minnesota, and did my independent study project in the form of several photo assignments for Chicago's newspaper for the homeless, StreetWise. Others had internships from the halls of ABC Network News to housing development corporations or find themselves working with Nancy Truesdell at the Career Center to update a file on the possibilities for work after graduation in the Chicagoland area.

AIDS information projects. Some wrote papers as independent study, others did projects in fields equally varied and interesting. The Urban Studies program is about the solutions and situations current in our world and hopefully also in your life. You have questions about the program you can contact Professor Jules LaBoucette (x5667) or me, Roger Duncan (x7770). In addition, Urban Studies staffers John Fish and Michelle McNamara will be happy to talk with you. Everyone is interested in the Lu Students Return From Off-Campus Programs. ACM students travel all over Chicago for fifteen weeks, gradually becoming more at ease in the city.
January 19, 1994

Guatemala
by Carrie Naumon

It was a bright and humid day when the 12 of us arrived in the Guatemalan City airport. Exiting the airport, standing in a large mob with all of our bags, being asked at by taxi drivers and travellers alike, I imagine that more than one of us wondered if we would ever manage to find our way to Quetzaltenango and had second thoughts about doing this in a country that was much more than just Spanish.

That was the beauty of the program, because we spent all day in different schools with Spanish speaking teachers, were lectured to in Spanish, read textbooks in Spanish and lived with Guatemalan families, improving one's Spanish was inevitable. We learned Spanish by interacting with the people we learned about Guatemala and gained a new perspective on life.

The people of Guatemala have a rich history and a rich life full of highs and lows all which has made them wise and, I think, happy. Having a rich history is not to say that Guatemalans are wealthy. On the contrary: the country struggles with poverty, threat of disease, and illiteracy. However, they have learned from the struggles and openly shared these learnings with us.

Guatemalans shared their lives with us on many different levels. In the classroom we learned about Guatemalan Literature, Guatemalan History and Guatemalan Anthropology. However, our professors also shared stories about their personal lives, how they viewed the social struggle between the indigenous Mayan peoples and the ladino people of Spanish descent, their activities during the class or travelling to the villages. These stories were interspersed with the history of the music and dance of the Ewe tribe.

When asked why he chose to go to Ghana, Richeson replied that he had contacts with people who had been there. The added advantage was that because Ghana is an English-speaking country, his learning process would not face interference from a language barrier. Richeson pursued his learning experience under the guidance of Godwin Agbeli, on the recommendation of his professor at Tufts University and the University of West Virginia. Agbeli is a master drummer and dance instructor who has authority on many styles of West African music and dance at Kofuoba (Volta region). To credit Agbeli, he has not institutionalized his music. His village is his school for teaching.

Although this was his first trip to Africa, Richeson did not want to portray the conventional "tourist attitude". He was an eager learner of African drumming techniques and dance styles. In order to understand the music, Richeson learned the social context of the music and its relation to the music. He also attended the funeral of a friend of Mr. Richeson. His recommendation to study the music, dance and customs of Western Africa, in Ghana. He is an Associate Professor of Music at Lawrence, and his specialty is percussion.

Features

Richeson travels to Ghana
by Sambhuta Mukherjee

Every percussionist is interested in the music that are produced from African drumming techniques. Last term (Fall 1993) I fulfilled the fulfillment of a long-time desire to study the music, drumming and dance styles of Western Africa, in Ghana. He is an Associate Professor of Music at Lawrence, and his specialty is percussion.

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L. I. Film Series Premiers

Seven wonders of the cinema world headline the new Lawrence University International Film Series. From classic Kurosawa to a 1990 restored version of Jean Vigo's critically acclaimed "La Atalante," the series features some of the world's greatest films. The series debuts Sunday, February 6 with Kenneth Branagh's 1993 adaptation of Shakespeare's "Much Ado About Nothing."

All films are shown Sunday and Monday evenings at 7 p.m. in the Worcester Auditorium in the Wriston Art Center on the Lawrence Campus. Tickets are $2 for students and $3 for non-students. Season passes to all seven films - $10 for students, $14 for non-students - are available through January 31 by calling 832-6600 or writing Lawrence International Film Series, Campus Activities, 615 E. College Ave., Appleton, WI 54911.

The 1994 film series lineup, including director, country of origin and year of release is as follows:

- February 6, 6: "Much Ado About Nothing," Kenneth Branagh, Great Britain, 1993
- February 13-14, "Yaaba," Idrissa Ouedraogo, Burkina Faso, 1989
- February 20, 21, "The Idiot," Arka Kurosawa, Japan, 1963
- March 6, 7, "A Woman Without Love," Luis Bunuel, Mexico, 1951
- April 3-4, "La Atalante," Jean Vigo, France, 1934 (restored 1990)
- April 17-18, "Stalker," Andrei Tarkovsky, Russia, 1979
- May 1-2, "The Story of Qui Ju," Zhang Yimou, Hong Kong, 1992

Three things to do to survive the winter in Appleton, WI:

- Walk around with your face completely wrapped in a scarf and say "Hi" to friends who don't recognize you. Later, ask them why they don't want to say "Hi" to you any more.
- Don't go to class. Tell your teachers it is a health hazard and ask them why they don't teach the class over the VAX instead.
- Ask your friends to come over. When the room is warm enough, tell them you have homework to do.

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The Lawrence

Tombstone:
A Holiday Myth

by Rich "Gish" Camaday
Staff Movie Reviewer

The legendary Wild West holds many myths to be self-evident. One so-called myth concerns the showdown at the OK Corral between Wyatt Earp, the famous lawyer, and a gang of bandits collectively called the Cowboys. Tombstone is an attempt to portray the life of Wyatt Earp (Kurt Russell) and his experiences in an authentically duplicated western town called Tombstone. The movie, directed by George P. Cosmatos, is colorful and creative in its costume, setting, and gunfight sequences between Earp, his brothers and the ruthless Cowboys who are recognized by the red sashes they wear.

Tombstone, however, is "choppy" in its delivery and flow, and loses focus by rapidly switching from unfinished problems to new scenes, leaving the audience to guess for themselves what happened. The movie would have been a logical argument to the moral issue of Wyatt Earp's life but it takes the viewer on a journey filled with too many sights to see in the two-hour time period.

What rescues this busy time schedule is a holiday, a Doc Holiday (played by Val Kilmer). Like the character played in Top Gun, Kilmer gives Holiday Irmann-like qualities which instill hesitation, fear, and final victory in the showdown between himself and his opponents. Holiday's contribution to the film is his personal psychotic battle with alcohol and gambling are all brilliantly portrayed by Kilmer who will possibly be nominated for a Best Supporting Actor at the Academy Awards. Without Kilmer, Tombstone would be a film lost in the cinematic archives and eventually become a myth in its own way. Supporters of Russell and Kilmer include Sam Elliott, Dana Delany, Stephen Lang, Chasen Hampton as a special appearance, and Jason Priestly who gives the performance of his life (pray that it be his last). Tombstone receives 9 1/2/20 deputy badges out of a perfect four star U.S. Marshall.

Modern western home videos related to Tombstone include Silverado, Young Guns 1 & 2, and Unforgiven. Also check out these upcoming films in your area: Philadelphia starring Tom Hanks and Denzel Washington, Iron Will starring Mackenzie Akin, Steven Spielberg's Schindler's List starring Liam Neeson and Ben Kingsley, and Blue Chips starring Shaq himself and Nick Nolte.

Challenges for Advanced Minds

By Alain Belen
Staff Puzzlemaster

This time I will give you a small collection of "easy" puzzles.

1.) A man drives a car from his house to his office. He covers a distance of 60 miles in an hour and twenty minutes. On his way back, he takes the same road. Traffic conditions and his average speed are the same in both cases, yet it takes him only 80 minutes to get back to his house. How can you explain this?

If this one was just too easy for you, here I have another one.

2.) Given a normal round cake, make 3 straight cuts and get 8 pieces of the same size. (Assume the knife is big enough)

Still not a challenge?

3.) Imagine you are a farmer. Your task is to plant 10 trees in 5 rows of 4 trees each. (The rows can be vertical, horizontal or diagonal.)

Now, the final puzzle.

4.) Complete the series:

O T T F F S S ?

Solution to the last puzzle:

Notice that there are four surfaces that must not touch each other (three doctors and the King). Since two pairs of gloves have also four separate (pairs of) surfaces (inside and outside of each pair), the problem can be solved. Let Doctor A use the first pair inside the second pair, and doctor B operating using the still sterile side of the second pair. Finally, let Doctor C use the inverted first pair inside the second pair. By doing the previous manipulations, only one surface of the gloves touches each of the doctors and only one touches the reason you want, you can find another order of manipulations that lead to the same solution.
January 19, 1994
Question of the Day: What are you doing for Trivia Weekend?

"MAN ALIVE! How can I participate when I don't even know when it is? All I know is that you just pretend to look through a book and grab a piece of free pizza and run to your room."
-Amina Pollard

"I'll spend my all of my time with Tom that weekend, because he's really, really smart...I think."
-Rachel Hopper

"I think my time would be better spent doing homework. But the pizza will be good."
-Tom McKenzie

"Well, Sig Ep doesn't have a team, so maybe I'll team up with Sage, 'cause they have Pizza Pit as a sponsor."
-Jon Howe

ADEC HIGH & DRY CHALLENGE
ADEC is sponsoring the 2nd annual High & Dry Challenge this term. We welcome any student group, organization, etc., to sponsor a non-alcoholic event of any sort between January 12th and February 22nd. The best event will receive a new microwave and a pizza party! We will also have a participation prize...so every group will have a chance to win something! If you're interested please call Carol in the Health Center @ x6754 to register your event. Please remember that you must register at least 7 days in advance so that we can all have some fun during this loooonnngggg term!

Wednesday, January 26, CEC will bring nationally-known comedy talent Margaret Smith, featured on the David Letterman Show and The Tonight Show with Jay Leno, to the Lawrence campus. Smith's performance will be free of charge at 8 pm in Riverview Lounge.
Science/Technology

Buckyball: What and Why

by Professor Lokensgard
Department of Chemistry

There are two small glass vials on my desk. One contains a tiny amount of a black powder that looks rather like soot. The other is a deep violet liquid. Actually, a little of that same black powder dissolved in the solvent isomers, and in my office window sits a ball about a foot in diameter, made from sixty pieces of paper. My "bucky model" kit. The ball has the same pattern of hexagonal and pentagonal faces you see on an ordinary soccer ball. Why? You ask. The powder is buckminsterfullerene, alias buckyball, alias C60, a material that has been getting a lot of attention lately. It is pure carbon, an element known for a long time, but in a new molecular-scale arrangement. Unlike diamond, which is carbon with all its atoms linked together in a four-dimensional network of strong bonds, or graphite, in which carbon atoms are arranged in a single attached in two-dimensional sheet-like layers that can be stacked like so many sheets of paper, the atoms in this new powder are arranged like the model my wife and I bought them at a time forming spherical shells of atoms. The first evidence for the existence of a form of carbon was reported in 1985, when H.W. Kroto, R.E. Smalley, and their colleagues at the University of Sussex in England used a laser to blast graphite rods. C60 can be isolated cheaply—though in inexpensive amounts, too. The substance is such, that one of the first things people ask is why this discovery proved to be wrong, scientists generally begin to look for still other assumptions begin to be challenged. Too, such as the early research on C60 was devoted to understanding its structure and then to looking for other forms in which carbon might consist of concentric shells of larger and larger size, rather like the layers of an onion. There are also in cases in which one or more atoms of other elements have been trapped inside a buckyball. Recently "buckytubes" have been reported, long on an atomic scale, at least. Cylindrical objects whose surfaces consist of hexagonal rings of carbon atoms like those on the buckyball. These look a bit like a rolled-up length of chicken wire, and have diameters on the order of nanometers. These, too, seem to be formed from concentric layers in a multilayer form, series of tubes, each one encased in another, and possibly a nanotube. Other research has also been immediately into the properties behavior of these new forms of carbon. Because C60 is soluble in common organic chemicals, it could be studied under conditions not possible for graphite or diamond. Chemists began trying out their favorite reagents on it, to see what they would yield, and various other substances were grafted out of the “ball.” An atom of carbon can normally form bonds with two other atoms at a time, and the atoms in C60 are each attached to three or more others. Thus there have been attempts to add more exotic materials to this structure. Not all of these have met with success, but it has been possible to add a fluorine atom to every carbon, generating a product that could perhaps be described as a submicroscopic teflon-covered fullerene. That product, though, decomposes readily, and it’s not clear that it has any practical use at this point. There are more promising possibilities, though. Modified fullerenes have been generated that have useful electrical behaviors, as semiconductors in some cases and as "superconducting" in others. It may be a while before you buy a fullerene-based battery for your laptop computer, but there are people talking about such things. Other scientists have seen possibilities of medical treatments. A group at the University of California at San Francisco saw it as just the right size to fill a large open space in a protein associated with the HIV virus. Together with a second compound, as scientists had devised a modified C60 that is actually soluble in water, and showed that it can inhibit the action of that protein. In fact, this compound, and others designed for it, promise something by becoming useful anti-viral drugs. A Japanese group, for example, that a water-soluble modified fullerene can be introduced into living cells, where its effect is not until exposed to light. Such light exposure causes it to kill the cell, probably by affecting the cell’s DNA. Such materials have potential applications as anti-cancer drugs, for example, if they can be introduced into a cancer cell. Although some observers think such biological or medicinal applications of fullerenes and other compounds derived from them are a long shot, such recent reports make the case that these may be among the first practical uses of these materials. Obviously the expense of these materials will slow development of products from them, but by doing so now, we can open up chemical properties that may prove useful. That, plus the simplicity of synthesizing carbon in these new forms, continues to fuel interest in the fullerenes. But what about my desk? Well, they are there because I find this a fascinating development; because they remind me that we need occasionally to question the things we take for granted; because they served to motivate a half-day session of last summer’s Summer Science program for high school students; and because they are waiting for the second term of this year’s organic chemistry physics (not necessarily science) — so only come if you want to learn about the cell’s behavior or genes. And for students — the students with whom the proposal will take the sample to the lab and see what happens. It’s going to be an "Out of this World" colloquium.

Who’s Going to Teach Them Science?

Sheyam Fremd
Science/Technology Editor

Billions of dollars are being spent every year for teaching science to young people. Good. Very good. This is one investment of the US government that is certainly past its breakpoint. But behind this bulwark of support, the government is also playing with science. Doesn’t seem familiar? Take a look at this. The SRC, a group of Superconducting Super collider, an $11 billion, 83-km long particle accelerator was proposed a decade ago, to be built in Waxahachie, Texas. The giant accelerator would collide particles with energies greater than that found in the Sun. It would recreate the primordial conditions, enabling scientists to seek out answers to some of the most fundamental questions like "Why does the universe have mass?" "Why do so many fundamental particles exist?" or "How can we unify the laws of physics (in other words, make life easier)?". It would be the world’s largest machine, the magic pot of science that everyone wants. But because members of the House of Representatives are gullible and believed in this report of mismanagement in the project, or because they simply failed to grasp the importance of it, the government decided to dismantle the accelerator last October. The officials expressed a view widely shared with questions like "$11 billion for a better understanding of the Universe?" How unscientific. How naive. By the time the project was dismantled, they had already been used, a town of 400 people brought down and the people of a thousand people talking about such things. Other scientists have seen possibilities of medical treatments. A group at the University of California at San Francisco saw it as just the

Continued to Page 9
How many people keep track of what is going on in the different departments on this campus? Not many, I am quite sure. To find out what is being cooked in the Physics Department, I went to visit the department and visited with Professor David Cook. We were in for a big surprise.

No doubt about it, Lawrence is quite well known for its "Laser Palace". (In fact, as an international student, the first thing I looked for on campus was this lab.) In 1986, Professor John Brandenberger felt the need for "something new, something exciting that could bring heightened vitality and visibility to the department". Realizing that the laser was an interesting, and important, physical system that had at the time not yet claimed its place in undergraduate physics, Brandsenberger set out to establish a well-equipped laser lab at Lawrence. Ideas and enthusiasm were abundant, but cash was not.

Because huge amounts of money for undergraduate support was necessary, and grants were sought from several sources. Over the next few years, the Department was able to accumulate over $300,000 in grants, mostly from federal sources, including the General Electric Foundation, the W. M. Keck Foundation, the Sloan Foundation, and several manufacturers of laser equipment, principally Tektronix and Coherent. With this support, the department conducted a pilot program that explored ways to incorporate both the study and the use of lasers into their undergraduate physics curriculum and, in addition, attract students to Lawrence because at the time very few undergraduate institutions in the country were doing anything similar.

A year later, realizing that "an undergraduate physics major who graduates without sound knowledge of computational approaches to lasers would be handicapped in subsequent work", Cook set out to establish a well-equipped computational laboratory at Lawrence to support substantial curricular revisions designed to ensure that students would become adept in using this new resource for a wide variety of purposes. Again, substantial outside support was necessary. Over a period of a year or so, the department attracted another $300,000, mainly from the National Science Foundation and the W. M. Keck Foundation, to create the Lawrence Computational Physics Laboratory (the CPL) and support a pilot project and summer curricular development. As the laser project, this computational project attracted national attention because the department and its faculty were exploring curricular developments that many other institutions were interested in but had not yet begun to introduce. In both cases, beyond enhancing the program for our students, the department was becoming a national leader in these types of curricular development.

Despite the substantial resources of the CPL, a senior in the class of 1992 who undertook an honors project in 3D fluid mechanics was prevented from going as far as desired by lack of resources, both for computation and for useful graphical visualization. This is a project directly pointed to the need for further development of the CPL in the direction of supercomputers and visualization. In the summer of 1992, Cook participated in an NSF workshop at the San Diego Supercomputer Center (SDSC) and established contacts that have resulted in modest remote access to the SDSC supercomputer to support computationally intensive studies. Further, a grant of $50,000 received last summer from the National Science Foundation has permitted the acquisition of two Silicon Graphics Indigo2 Extreme 3D workstations and a color printer. These additions permit very fast, thorough, easy graphical examination of volumes of data, particularly data brought back to Lawrence from supercomputer runs, and they support studies in numerous areas of physics, such as fluid dynamics, nonlinear dynamics and chaos, electromagnetic and gravitational wave propagation, musical acoustics, and heat flow. Cook will devote a two-term sabbatical during 1994–95 to further development of this potential.

At one point in our lively conversation, I asked Cook what changes he would recommend if he were granted an extra $100,000 at that moment. He smiled broadly, because he knew I was expecting him to pause and think before answering. But no. Immediately he answered, "If someone were to cut the budget of the department by $100,000, maybe even half a million, even then we would be ready to go with plans". He went on to explain that Dr. Susanne Lee, who has joined the department this fall, needs to build her own research lab in materials science and solid state physics (her areas of interest), that the present machine shop is in need of substantial upgrading to serve immediate and future needs of the department, that we need to be ready to underwrite major expenses in setting up the research lab of a new faculty member who will be hired to replace Professor Beckenridge when he retires in a couple of years, and that the department needs to anticipate replacing the original 10 workstations (now close to obsolete). If the critical need for space—not only for physics but for many other departments—is met, Cook could easily spend many millions of dollars.

Why all this hassle? Why can't the professors keep themselves busy teaching classes, checking papers, and (once in a while) doing some research? Cook answered all these questions in one sentence: "You are visiting in a department that sets ambitious goals for itself and for its students, that prefers to "think big". He explained that it is imperative for a department to remain active, to aim at the future, both to attract good students and able faculty members now and to assure our continuing attractiveness for students and faculty into the indefinite future. The vital, active nature of the Physics Department in the past decade was certainly instrumental in helping the Department attract needs for space—not only for physics but for many other independent studies in many areas, producing more highly qualified graduates with brighter futures.

"Other institutions are watching what Lawrence is doing; some may be trying to emulate us," said Cook at the end. "In those areas we have chosen as specialties, we seek to lead nationally. More broadly, we seek to become one of the best small physics departments in the country, and our progress towards that goal in the next decade has been substantial."

Good luck to you, Dr. Cook, and to even in the Physics Department!

If you are interested in contributing to this section, contact Sheyum at *7558.

If you don't have to be a scientist in order to write on scientific topics!

You won't have to spend all your money on Christmas and get your hair fixed. Christmas break is over. The eggnog's all gone. And you had so much fun you didn't have time to fix your hair. You won't have to spend all your Christmas cash. D'Morax Salon is offering L.U. students 20% off any service. Cuts, color, frims, even perms. Just bring your student I.D. down to D'Morax Salon.

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Swimmers Split With Lake Forest

**LU to Host State Private Invitational Saturday**

by Cameron McWhorter

Sports Reporter

On Saturday, January 15, the Lawrence women's swim team improved their record to 6-1 with a major 119-106 victory over Lake Forest. Lake Forest finished second at conference last year, directly ahead of Lawrence.

Third-year coach Kurt Kirner said that Saturday's victory was his biggest since being here. "This gives us the upper hand (over Lake Forest) for conference this year," he added.

A big part of the victory is thanks to Tara Girmscheid who won both 1-meter and 3-meter diving competitions uncontested to win the 1-meter and 3-meter diving, and the 400 Free Relay team.

On January 8, both the men and the women walked away with victories in a double dual meet against Carthage and North Central.

Other event winners included the 1-meter and 3-meter diving, and the 400 Free Relay team.

Vikings

Skaters Get 2nd Win; Lose at St. Norbert

by Mike Spofford

Co-Sports Editor

The Viking hockey team, looking to rebound from a rough 1-7 first term record, began winter term with an impressive 11-1 home victory over MSOE before suffering two losses on the road against long-time nemesis St. Norbert.

The M.S.O.E. contest began very closely, as LU had a scant 2-1 lead after one period. But the Vikings scored five times in the second period and four more in the third to bury their visitors. Sophomore captain Joe Huntzicker had a hat trick for the team in scoring with 12 points (nine goals, three assists), followed closely by junior Patrick Conlan with 11 points (three goals, eight assists).

Freshman Tim Vollbrecht works the puck behind the MSOE net.

In Saturday's game, the first period was the rough one for LU, as St. Norbert scored four goals and cruised to a 7-1 win. Magolan had 33 saves in this one, and the Vikings lone goal was scored by freshman Tim Vollbrecht in the second period.

For the season, Huntzicker leads the team in scoring with 12 points (nine goals, three assists), followed closely by Conlan with 11 points (three goals, eight assists).

On January 22, Lawrence hosts the State Private Invitational in the Rec. Center beginning at 12:00. Teams visiting LU for the meet include Beloit, Ripon, Carroll, Carthage, and Marquette.

Wrestlers

Kuhn, Munoz, Klotz Place

by Adam Newman

Sports Reporter

The Lawrence wrestling team finally started its intracconference schedule this term, but the first two tournaments did not produce the expected results. A loss in numbers and instability among the weight classes have left LU without one first-place finish. One positive aspect from this year still shines through and through, Freshman Graham Kuhn.

Kuhn took advantage of his holiday break to explode into the second half of his season. He has successfully reached the semifinals round in the past two weekends. Teammates Dave Munoz spoke of Kuhn's takedown ability, stating that he has great speed. But, unfortunately, a few close matches and some judgement errors have kept him out of the finals.

Overall, the team's senior captain, Mutoz and Chris Klotz, have both placed second in their weight classes. Mutoz spoke of Kuhn's takedown ability, stating that he has great speed. But, unfortunately, a few close matches and some judgement errors have kept him out of the finals.

A final note: Jeff Kolcinski got his first two wins as a freshman this year.

Wrestlers

Kuhn, Munoz, Klotz Place

by Adam Newman

Sports Reporter

The Lawrence wrestling team fina-
Women's Basketball Beats Carroll

Proctor doesn't seem to be worried, chalking the poor field goal percentage up to youth and cold shooting. "We have good shooters," commented Proctor, "they just have to realize they are good." She added that, "it's just going to take a game of shooting well to get over it.

Over the break the Vikes lost two close games, 72-70 against Berea and 66-61 against Centre College of Kentucky. In the Berea game Haase scored 19 and hauled in 12 rebounds and Jackie Huess added 16 points. Lieberman led LU with 18 points against Centre College.

Lawrence now comes off two straight non-conference losses, 67-66 against New Mexico and 57-50 against Wisconsin Lutheran, to play eight straight conference games. "Now the fun starts," said Proctor, "we're playing for something now."

Haase is essentially back from a strained Achilles tendon. Lieberman is just beginning to recover from a stress fracture. She will try to play in upcoming games, but could be out for as long as two weeks. Proctor again didn't seem concerned, saying that others can step in to fill in injury gaps because the team relies so much on balance.

Injuries Strike Men's Basketball Team

by Josh Blakely
Sports Editor

To begin this men's basketball season coach Mike Gallus just wanted things to go smoothly after losing three important seniors. Unfortunately, fate hasn't co-operated with the coach's desires. After a promising trip over Christmas break which saw Lawrence play tough but lose 80-64 to Webster then come back to win convincingly over Park's University of St. Louis 73-61, a plague of injuries hit the team.

Two of the three high scorers for LU in the Parks game then went down to start second term action. Sophomore point guard Nate Flynn who had 18 points came down with mononucleosis and missed the first two games after the Christmas trip and sophomore Kyle Raabe hyperextended his elbow in the first game of the second period, a 75-60 loss to MSOE, although he has continued to play.

In addition to these problems, backup point guard Joe DiGiorgio quit the team for personal reasons, shooting guard Andrew Lodes aggravated a nagging hamstring injury and might be out for one or two weeks or the whole season, and finally sophomore Jeff Kintzinger left the team with a foot injury which he sustained playing football and which made it difficult for him to even walk when he got up in the mornings.

After an 87-67 loss to Lakeland, Flynn returned to the lineup for conference action against Beloit. He scored 16 points while not quite being at full strength. Forward Pat Juckem also threw down 10 rebounds. Unfortunately, fate hasn't surprised someone somewhere along the way.

The Vikings also hope to get a boost from two new players Ben Mouday and Bywinn White. Mouday is a freshman guard who wanted to play right away but had a nagging foot injury and wanted to get on his feet academically. He should help out in a decimated guard core. White is a transfer from Tabor who is a leaper and has shown a good shooting stroke.

White gives the Vikings another three pointer, hitting all three of his field goals and all three free throws. White gives more depth to the forward spot.

The result is Tuesday's game against Northland Baptists was unavailability of players and some unavailability of players after losing three important seniors.

Chad McDougall about lays it in.

Upcoming Home Sports Events

Swimming: State Private Invitational, Saturday, Jan. 22, noon.

UW-Whitewater Friday, Jan. 28, 5 pm

Hockey: Marian College, Saturday, Jan. 22, 8 pm

Women's Basketball: Illinois College, Friday, Jan. 21, 7 pm

Knox College, Saturday, Jan. 22, 1:30 pm

Men's Basketball: Carroll College, Wednesday, Jan. 26, 7:30 pm

Cornell College Saturday, Jan. 29, 3 pm

Monmouth College Sunday, Jan. 30, 1:30 pm

A Wanted Award??

One of the most infamous plays of the 1993 Lawrence football season, if not in LU football history, is receiving national recognition. ESPN has nominated Beloit's punt return for a touchdown against LU (during which LU players looked to down the ball when surprisingly a Beloit player snatched the ball and raced the length of the field) for its annual ESPN-College Football Play of the Year Award. Fans can call in to cast their votes, and the results will be announced later this month.
Sinfonia Update
Continued from Page 5

Speaker Leon Botstein is giving a Conservatory Convocation entitled "Rethinking Doorknobs" with the Lawrence Symphony Orchestra at 8 p.m. on Wednesday, December 1; following that, there will be a reception, and the GZ chapter will be at the reception to help in any way needed.

We've already begun to plan this school year's American Music Recital; it will be Thursday, January 20. A sign-up sheet is posted on the student message board in the conservatory.

The GZ chapter is again in charge of the Jazz Stage at Celebration! This year's Celebration will be Saturday, May 8. We are in the process of booking artists for the main time slot; a sheet for suggestions is posted on the student message board in the conservatory.

There will be other speakers and events sponsored by FMA and the conservatory. Term II has already seen the Sinfonia-sponsored showing of the film "Mo' Better Blues" at the Hartt School of Music-Drama Center. Both the concert and the preview are free and open to the public.

Mr. Eliot, how can this be? This issue of the paper is out and I haven't heard any complaints from you! Miss yo' - The Editor

Oxfam Results

On November 29, 1993, Lawrence students participated in the 20th annual Oxfam America Fast for a World Harvest. The event was organized on this campus by Mortar Board. Mortar Board is a senior honor society which has coordinated this fund-raiser for many years. This year's fast was a huge success. Mortar Board wishes to thank all these students who participated. In all, 635 meals were skipped amounting to $1,791.95 in donation to Oxfam America. The generosity of those students is to be commended. This year's fast is just one more example of how the contributions of many individuals can make a substantial difference.

THE LAWRENTIAN

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