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SONYA BUYTING THE BRUNSWICKAN

November 8 • 1996

Dr. Tony Diamond had always been fascinated with birds. Why birds?? He says it is because they are very conspicuous, being of bright colours, active in the daytime, and they make more beautiful music than we humans do. It is also still amazing to him that something which weighs 5 grams could migrate ten thousand cilometers every year. They have extraordinary migrations and

increadible navigational skills. Another motivation for his work with birds is that UNB is paying him to study them and help others with their studies. He is a wildlife biologist/ornithologist in the biology

and forestry departments. He admitted that he wouldn't have stayed in science if he was not interested in birds; his prime interest is in birds and his second in erest science.

As a scientist, he is trying to use

A Biology student at UNB has taken

biology department while studying

part time working towards a masters degree in biology. Her work as a technician helps her job as a student, and also, the knowledge she gains as a student helps her role as technician. Stillwell has a B.Sc. with first class

honors in biology and psychology from UNB and an bachelor of Education

rent approach to working for gree. Evelyn Stillwell works as ime scientific technician in the

CRAN

CATHERINE AHERN

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is happening to the planet as a whole. By studying how birds respond to pollution, humanity can hopefully protect itself as well as the birds. has on forest songbirds, seabird distribution in relation to oceanographic variables and their possible use as indicators for fishery stocks.

UNB's Own Birdman

Award-Winning UNB Student does

double-duty

A common example is when people observed the Peregrine Falcon was becoming endangered. When it was found that the toxic contaminant DDT was killing the birds, this and many other pesticides were

effect on birds. This caused researchers and environmentalists alike to make the connection that if alike to make the connection that if this and other pesticides are having such deadly effects on birds, they will eventually affect humans. Dr. Diamond doubts whether the protective legislation now in effect would ever have come to be if people had not made that connection. Birds

are often seen as environmental indicators of potential dangers to

Celebrating 130 Years in Print

SCIENCE

indicators for fishery stocks. He is the senior chairperson of th Atlantic Cooperative Wildlife Ecology Research Network, an organization which ties Acadia. Memorial and UNB with the Canadian Wildlife Service. He spends subsequently banned. Many problem's associated with DDT surfaced initially because of it's the majority of his time networking and collaborating with other researchers. This work provides UNB

grad students with an excellent opportunity to interact with other universities and hence an opportunity to make contacts. Dr. Diamond feels that is it important as a young scientist to get as much experience as possible, especially with ecology because it is worldwide.

He has travelled extensively, having worked in the West Indes, islands in the Indian ocean, Britain and Africa. For now, Dr. Diamond simply

birds as a way of understanding With nine or ten grad students, Dr. Wants to help other people have as realized in the understanding of what projects such as:the effect that landscape had.

Rooting Out Remedies

ANY McComp THE BRUNSWICKAN

Two British research groups are currently studying plant compounds which can potentially be used in the treatment of Alzeimer's disease. If it wasn't for records of their ancient uses, these plants may never have been investigated at all. At Newcastle University, Dr. Elaine

At Newcastle Universty, Dr. Elaine Perry is trying to extract an ingredient in sage which may slow the progress of the disease. Loss of memory is the main symptom of Alzeimer's and is caused by the gradual disappearance of a chemical which carries messages between brain cells, acetylcholine. In ancient Greece garlands of sage were worn by students during examinations to improve memory. Thus, it came as

to improve memory. Thus, it came as no surprise to Dr. Perry that a sage extract has the same beneficial effects as the drug Tacrine, this being the only drug currently available for treating condition although it causes liver

A compound in delphin is also cur ty being researched. This compound was first investigated because of the Roman writer Pliny. Pliny recommended rubbing the seeds into the scalp to remove lice; it is now known that the active ingredient is not only a potentially useful insecticide but attaches to the particular brain receptors affected by Alzheimer's disease.

Other plants have been thoroughly investigated by pharmaceutical companies but are now turning up

One example of this is the research recently done on the use of cannabis oil pills in treating the pain of multiple sclerosis. "However," says Fred Evans, Professor of Pharmacognosy, "it is most unfortunate that its use as a social drug has overshadowed its potential use as a medicine." At this point he will only describe the results as "interesting"- but

> compass is anywhere within this magnetosphere, then it will point towards the Earth's magnetic north in the same direction as you see the rows pointing in the diagram

O.k., now that we have covered the logistics of a campass on Earth, we can go even further. If you are venturing into outer space,

Dear Curiosity Corner: What the further you get from the earth, the weaker the magnetic fields are going ion does a compass point in

globe. That is not true.

If you happen to be in a space craft with a magnetic compass... Problems arise. You see, spacecrafts are controlled by electric circuits which generate their own weak magnetic field. Also, the metals in a spacecraft will deflect any That is a great question. There is a lot of background information you should know first. Inst is a great question. There is a lot of background information you should know first. With a terrestrial compass which is used for orienteering (no, it has nothing to do with Frosh Week), the needle is a magnet which aligns itself with the Earth's magnetic field. The needle points towards the porth magnetic field. Now if the compass harpened to be

north magnetic pole, which is located in northern Canada, under Baffin Island. Most people make a mistake in thinking that the needle will point to the top of the world it is pointing depends on where it is. The magnetic fields surround the earth, making a magnetosphere. If the

Outside of this mas it runs into the other pla such as Mercury, Venus, Mars or the Moon, the direction in which the needle will be pointing may be biased. But these magnetic fields are not very strong, so the compass will probably be directing you in any random directio

So if you ever decide to get lost in space, my advice to you: leave your mpass home.

If you have any Burning Questions or just mild wonderings, write me at 1694@UNB.ca or drop a letter off at the Bruns office in the Sub.

Her dedication is not only towards her thesis, as she has done

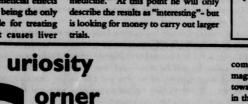
It does not stop with awards, however. Stillwell also has three papers from her thesis research published and two more in press. Though she gives some credit to her supervisor, Tillmann Benfey: "He preparations for undergraduate teaching labs since 1992. In these labs,

UNB and an bachelor of Education from STU. She also has won a number of swards including Best Student Oral Presentation, Best Student Poster for the Aquaculture Association of Canada, and Best Student Oral Presentation at the Atlantic Provinces Council on the

Thile.

Dear Thilo,

however. Stillwell also has three papers from her thesis research published and two more in press. Though the gives some credit to her supervisor, Tillmann Benfey: "He wants to promote students, share their research finding with other researchers, and expose them to the real world they will encounter after UNB. He is very supportive.". The praise is returned by Dr. Benfey when asked about Scillwell. "She has all the characteristics one looks for in a good graduate student - cariosity, enthusiasm, dedication, perseverance and independence. She works very hard and has made as much progress on a part-time basis as many full-time students would in the same amount of time."



Findings Australian research shows

that children who eat oily fish such as salmon and tuna at least once a week are less likely to develop asthma. But the fish must be fresh.

Funny

The Brunswickan . 5

Of nearly 600 children studied, those who regularly ate fresh oily fish were 75% less likely to develop asthma than those who did not. It is though that the fatty acids in fish may protect children against asthma by blocking the inflammation of airways in the lungs.



130 YEARS

Drew says, "It's lots of fun - bring all your friends." "I get butterflies!" Peter raves. "Kinky pictures in the darkroom! Three thumbs up!!!" says Pat.

VI.

editorial positions still available

Join the Bruns

The Bruns Online: Just one year old, The Bruns Online is our web site. Web publishing is one of the fastest growing fields in business today. At The Bruns you can learn how to work with a large and ever-growing web site. Get a valuable skill and have fun doing it, too. The position of Online Editor is still open. To enter our cyberspace, call Mary, Joe or Cynthia at 453-4983 or go to http:// www.unb.ca/web/bruns.

Distractions: Definitely not the most uptight section of the paper. The Distractions section includes cartoons and puzzles, poetry and creative writing. If you would like to submit cartoons, poetry, fiction or creative non-fiction, or if you are interested in the creative position of Distractions Editor, call Mary or Joe at 453-4983.

Campus: The newest addition to The Brunswickan, the Campus section covers the lighter side of life at UNB. The position of Campus Editor is available, and we need writers to do profiles and ature articles. For more information, call Mary or Joe at 453-

general staff meetings Fridays at 12:30 writing workshops Tuesdays at 12:30 news department meetins Wednesdays at 3:00

SUB room 35 all are welcome

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