

Student not stopped by cancer

Woman continues studies, graduates despite long-term sickness

By PHIL EVANS
Dailly Collegian Staff Writer

The end of May means the beginning of all-nighters and cramming for finals for most students. However, every so often a person is faced with an even bigger problem than finals or grades.

Consider the story of Bonnie Kay Rahmer. Bonnie graduated in the spring of 1978 from the University with a 4.0 grade average during her last term. More important, she managed to finish her college education on schedule despite the fact that in March of her junior year she was diagnosed as having Hodgkin's disease.

Bonnie was being treated for monoclonous when a biopsy from a lump on her neck was found to be cancerous. A week later she was admitted to the Centre Community Hospital for exploratory surgery during which the doctors found a few spots on her lungs and removed her spleen.

Most students rarely worry about a serious disease afflicting them. They are usually too concerned with little problems which seem to be the most important things in the world.

And Bonnie was no different. At the time of her surgery she was more worried about her ability to show a 2,000-pound Hereford bull for the University's "Little International" livestock show than in the long-term effects of her surgery.

"I read up on Hodgkin's disease and found that it wasn't an immediate death sentence. I was more worried that I wouldn't be able to show the bull," Bonnie said.

Her determination paid off as Bonnie won "Hereford Reserve" for the state and first place in fitting.

Meanwhile, aided by the American Cancer Society in State College, Bonnie's doctors up cobalt treatments at the Geisinger Medical Center in Danville. The cancer society shuttled Bonnie back and forth from Danville so she could continue her studies which resulted in a 3.5 average for the Spring Term.

Bonnie's treatment was part of a new theory in medicine whereby the disintegrating the aggressively attacked through surgery, radiation and chemotherapy, said Joan Curtis, executive director of the cancer society in State College.

"We've been making a lot of progress in this area. Statistics of successful treatment of Hodgkin's disease were around 50 percent at the time of Bonnie's diagnosis. Now, they are around 90 percent," Curtis said.

During the summer after her junior year she continued her cobalt treatments while she worked at the Sunbury Animal Hospital in Sunbury as a doctor's assistant.

One of Bonnie's biggest supporters was Reynolds E. Rahmer (industrial-vocational education). The two had met at the Train Station restaurant about seven months prior to the discovery of Bonnie's cancer. With Bonnie's parents' consent, Reynolds moved into their home for the summer.

The cobalt treatments ended in August just in time for Bonnie to go back for Fall Term. To her dismay she learned that the cobalt treatments would be replaced by six months of chemotherapy.

With the Reynolds's support, Bonnie made it through the Fall Term with a 3.4 average. Also, Bonnie and Reynolds were engaged to be married in October.

Throughout the entire period of Bonnie's treatments she had only one or two close friends about her illness. "I wanted to get through without using it as a crutch," Bonnie said.

Even though she kept quiet about her problems there were many friends Bonnie could not hide.

"I lost my hair and had to wear a wig," Bonnie said. "I would race up and down the hall going to the shower so no one would see me."

The chemotherapy treatments resulted in alternate two-week periods during which Bonnie was forced to do most of her work to make up for the times when the treatments made her sick.

"It helps to have a lot of friends to get you work because during the treatments you have to sleep a lot and you can't eat as much," Bonnie said.

In January of 1978 Bonnie was faced with yet another problem. The chemotherapy treatments had caused a blood clot in her right lung which was making it difficult to breathe. Bonnie was taken off chemotherapy and taken to Geisinger for 12 days just before midterms.

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"The main thing we want to stress is that there is a continuation of life after the diagnosis of an illness," Reynolds said.

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—Joan Curtis, executive director of the State College chapter of the American Cancer Society

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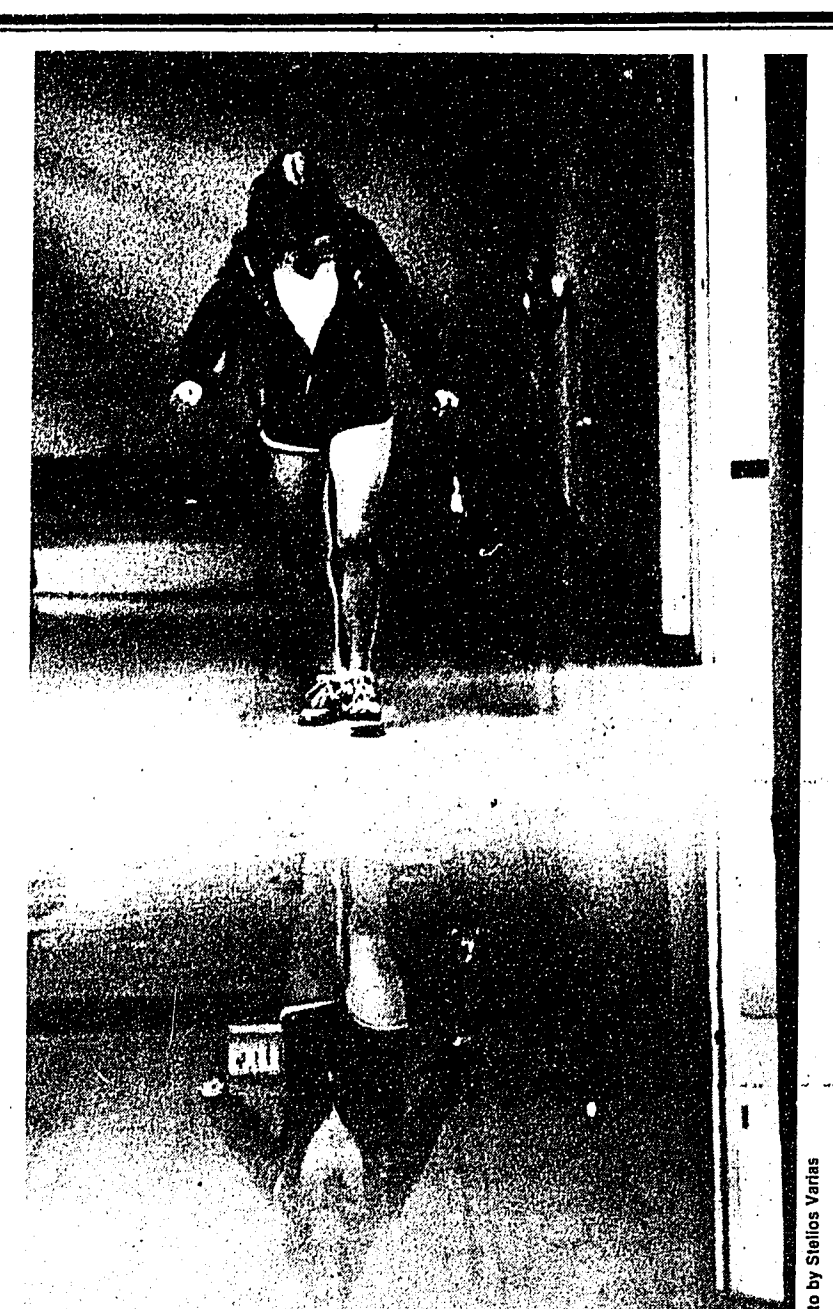


Photo by Patricia Yarnell

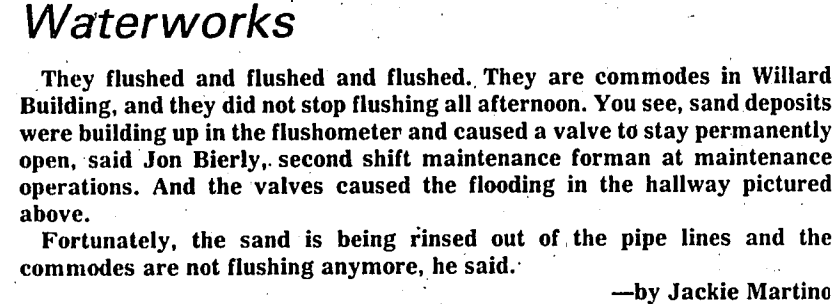


Photo by Jackie Martin

Waterworks

They flushed and flushed. They are commodes in Willard Building, and they did not stop flushing all afternoon. You see, sand deposits were building up in the flushometer and caused a valve to stay permanently open, said Jon Hiery, second shift maintenance foreman at maintenance operations. And the valves caused the flooding in the hallway pictured above.

Fortunately, the sand is being rinsed out of the pipe lines and the commodes are not flushing anymore, he said.

—by Jackie Martin

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THURSDAY EVENING

6:00-7:00 WEATHERWORLD
7:00-8:00 STARS AND MITCH
8:00-9:00 HAPPY DAYS AGAIN
9:00-10:00 INTRODUCTION TO PHILOSOPHY
10:00-11:00 ABC NEWS
11:00-12:00 SNEAK PREVIEW
12:00-1:00 THE MOVIES
1:00-2:00 SNEAK PREVIEW
2:00-3:00 THE MOVIES
3:00-4:00 SNEAK PREVIEW
4:00-5:00 THE MOVIES
5:00-6:00 SNEAK PREVIEW
6:00-7:00 THE MOVIES
7:00-8:00 SNEAK PREVIEW
8:00-9:00 THE MOVIES
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BELLE! I DIDN'T KNOW YOU WERE IN THE RED CROSS...WHEN DID YOU GET TO FRANCE?

HOW IS EVERYTHING BACK HOME? DID YOU KNOW I WAS A FLYING ACE? ARE MOM AND DAD FROUD OF ME?

SPIKE IS HERE, TOO! HE'S IN THE INFANTRY! AND YOU, MY OWN SISTER, IN THE RED CROSS! I CAN'T BELIEVE IT!

HEY WHAT HAPPENED TO ALL THE DOUGHNUTS?

YOU ATE THEM!

DOONESBURY

RICK THREVE ABSOLUTELY BEAUTIFUL... HOW DO THE INVITATIONS TURN OUT?

ENGAGED TYPE. LINEN PAPER, RETURN CARDS—REPLY MINUTE JOB, WOULDN'T YOU SAY?

AM, NOT BAD, BUT HANDS THIS "DICK" REVEREND. YOU'RE MARROWY?

GOOD OL' BOB. I THOUGHT HE'D NEVER GET MARRIED. AARRH!

SHOE

PUMPING HERE WAS YOUR UNCLE'S BUTLER.

YOUR UNCLE LEFT HIM TO YOU IN HIS WILL.

WHERE ARE THE BUTLER'S QUARTERS?

GOOD GRIEF...

SKRABOOM

(SIGH) I SUPPOSE I KNEW THE BUBBLES COULDN'T STOP YOU, YOU WERE IN A DURANIUM CELL.

LET ME TELL YOU WHAT WILL HAPPEN. YOU WILL DISCOVER CLONES OF SEVERAL WORD HEADS YOU WILL FIND THEM WI THOUGHT EXAMINING ADULT THOUGHT AND REASONING PROCESSES. WE THOUGHT EXAMINING YOU WOULD TELL US HOW TO CORRECT THIS.

YOU WILL PROBABLY WILL THE CLOSURES OUT OF PITY OF THIS MISERABLE EXISTENCE. THEN YOU WILL DESTROY ALL OF THIS EXPENSIVE STUFF AROUND US. I WILL LEAVE YOU TO BE WITH YOUR FRIEND RETURNS WITH THE POLICE. IF YOU DETAIN ME, I CAN PROVIDE THE WITH "PROOF OF MY INNOCENCE" WILL IMPLICATING MY POLITICAL ADVERSARIES OF THE UPCOMING NOVEMBER ELECTIONS, WHICH I HAVE ALREADY ARRANGED TO WIN. THIS ENDS IN A STALEMATE...

WHAT DID YOU THINK OF BARRY COMMONER'S TALK?

VERY BRUNCE.

INSIGHTFUL ENOUGH TO KEEP YOU WAKE..

YET NOT SO DEEP AS TO REQUIRE THINKING...

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Crossword

by Mike Shenk

Answers in Tomorrow's Classified

Across

30 Tremulous
37 Distasteful sort
38 = Maria
39 Britton
40 Grape plants
41 = Moslem towers
42 = cello
44 Aslan
45 Annual New England event
46 Campfire
47 Opera songstress
48 = Check
49 Britton carbide
50 Check copy
51 King topography
52 = Rose and photographers
53 Carrousel, e.g.
54 Classify

Down

1 Poker variety
2 Of John Paul II
3 Isolated
4 = "a cleave"
5 = the Top
6 Anagrammer
7 Autocrat
8 Environmental energy
9 Stadium tanks
10 T.S. and George
11 = Verne
12 = Michelangelo statue
13 Capitan or Yellow
14 = = = = = =
15 = = = = = =
16 = = = = = =
17 = = = = = =
18 = = = = = =
19 = = = = = =
20 = = = = = =
21 = = = = = =
22 Dink
23 Small songbirds
24 = = = = = =
25 = = = = = =
26 = = = = = =
27 Other

THE PENNSYLVANIA STATE UNIVERSITY

NEW KENSPING CAMPUS SUMMER 1981

June 9, 1981 to July 31, 1981

COURSE	CR.	DAYS	TIMES	COURSE	CR.	DAYS	TIMES
BET 803	4	MTWTF	8:00a.m.-4:00p.m.	Humanities 101	3	MTW	3:30p.m.-5:30p.m.
Biological Equipment Laboratory (Internship) Practical experience, with or related to the hospital environment, on a variety of biological instruments. Prerequisite: 801 & 802.				Intermediate Algebra, Polynomials, fractions, exponents, radicals, first and second degree equations and inequalities, functions and graphs, systems of equations. Limited to students whose scores on the algebra proficiency examination indicate a need for this course.			
Biological Science 2	3	MTW	8:00p.m.-8:00p.m.	Math 4	3	MTW	6:00p.m.-8:00p.m.
Evolution, Relationships of Organisms. Examination of the biological world in terms of reproduction, genetics, evolution, development, diversity, interrelationships and interdependence of organisms, populations, communities. Students who have passed Biol 33, 111, 112, 113, or 222 may not schedule this class.				College Algebra, Relations and functions; roots of polynomials and complex numbers; sequences, mathematical induction; binomial theorem; matrices; determinants; analytic geometry. Prerequisite: 1 unit of algebra or Math 4			
Biology 296	3	MTW	8:00p.m.-8:00p.m.	Math 5	3	MTW	8:10p.m.-10:10p.m.
Independent study. Note from the instructor in this course indicates an independently designed original research project in conjunction with the faculty member involved. Although some latitude for projects exists they are generally limited to studies of human cytogenetics, somatic cell hybridization, and molecular taxonomy. Within these parameters, limits exist a significant number and diversity of potential projects. Contact the concerned faculty member for details.				Plane Trigonometry, Functions; use of logarithms; solution of triangles; trigonometric equations; identities. Prereq: 1 1/2 units algebra or Math 5			
Chemistry 12	3	MTW	8:00p.m.-8:00p.m.	Math 10	3	MTW	8:10p.m.-10:10p.m.
Basic Concepts and Quantitative relations. Prereq: 3 credits of performance on placement exam take Chem 12 for 3 credits.				Pre-calculus Mathematics. Polynomial expressions; simultaneous equations; exponents; logarithms; binomial theorem; polynomial roots; trigonometric functions; right triangles; identities, lines, and conic sections. Limited to students whose scores on the algebra and trigonometry proficiency examination indicate a need for this course.			
Chemistry 34	3	MTW	8:00p.m.-8:00p.m.	Math 120	3	MTW	6:00p.m.-8:00p.m.
Organic Chemistry. Introduction to organic chemistry with emphasis on the properties of organic compounds of biochemical importance. Prereq: Chem 12 or 12A				Techniques of Calculus I. Differential and integral calculus; vector analysis; matrices; determinants; analytic geometry; differential equations; trigonometry. Prereq: 1 1/2 units algebra or Math 5			
Computer Science 101	3	MTW	8:00p.m.-8:00p.m.	Math 240	3	MTW	8:00p.m.-8:00p.m.
Introduction to Algorithmic Processes. Properties of algorithms, language, and notation for describing algorithms; formalization of a procedure-oriented language to problem solving. Students who have passed Comp Sc 201, 203, 401, or 402 may not schedule this course. Prereq: 2 entrance units in mathematics.				Intermediate Calculus with Applications I. Functions of two variables; the chain rule; vectors in space; double and triple integrals. Prereq: Math 162			
Computer Science 102	3	MTW	8:10p.m.-10:10p.m.	Math 260	3	MTW	8:00p.m.-8:00p.m.
Computer Organization and Programming. Computer components and organization; representative examples from accounting, instruction codes, machine language programming, assembly systems, input-output, subroutines, and macros. Prerequisite: Comp Sc 101				Mathematics and Statistics. Systems of linear equations; matrix algebra; determinants; eigenvalues and eigenvectors; applications to differential equations; statistics. Prerequisite: Math 162			
Computer Science 140	3	MTW	8:00p.m.-8:00p.m.	Math 903	3	MTW	8:10p.m.-10:10p.m.
Introduction to Data Processing. Applications of digital computers to problems in data processing with examples from accounting, record updating, inventory control, and report generation. Prereq: Comp Sc 101				Technical Calculus. Selected introductory topics from analytic geometry, differential calculus, integral calculus. Prerequisite: Math 162			
Economics	3	MTWTF	3:30p.m.-5:30p.m.	Mechanical Eng 22	3	MTW	8:00p.m.-8:00p.m.
Introductory Macroeconomic Analysis and Policy. Money and income measurement; aggregate economic models; monetary and economic policy problems.				Engineering Thermodynamics. Basic thermodynamic concepts and definitions. First and second law of thermodynamics; principles of pure substances. Prerequisite: Chem 12, Math 240			
Electrical Eng 813	3	MTWTF	8:00a.m.-4:00p.m.	Microbiology 801	8	MTWTF	8:00a.m.-4:00p.m.
Fundamentals of Electrical Machines. Direct-current machinery theory and applications. Introduction to basic principles of concepts of laboratory methods related to machinery studies. Prereq: Chem 12, Math 162				Clinical Laboratory Orientation for Medical Laboratory Technicians. Introduction to basic principles of clinical laboratory work, including the collection, handling, and preparation of biological samples. (80 to 820)			
Engineering Mechanics 11	2	MTW	8:00p.m.-8:00p.m.	Philosophy 130	3	MTW	6:00p.m.-8:00p.m.
Statics. Equilibrium of coplanar force systems; analysis of frames and trusses, noncoplanar force systems, friction; centroids and moments of inertia. Prerequisite: Calc II				The Art of the Philosopher. The work of a single author or closely related authors will be read. Typical figures: Plato, Descartes, Cartesius, Nietzsche, Wittgenstein.			
Engineering Mechanics 12	3	MTW	3:30p.m.-5:30p.m.	Physical Education 5	4	MTW	6:00p.m.-8:00p.m.
Dynamics. Motion of a particle; relative motion; kinematics of translation, rotation, and plan motion; work-energy; impulse-momentum. Prerequisite: Eng Mech 11				Physical Education 5 Physical Education. Activities to develop physical and technical skills. Activity will be Tennis I.			
Engineering Mechanics 12	3	MTW	8:10p.m.-10:10p.m.	Physical 201	4	MTW	8:10p.m.-10:40p.m.
Strength of Materials. Axial stress and strain; torsion; stresses in beams; elastic curves and deflections of beams; combined stress; columns. Prerequisite: E Mech 11				General Physic I. Mechanics, wave motion, and sound. Prerequisite: Math 162			
English 4	3	MTW	3:30p.m.-5:30p.m.	Political Science 1	3	MTW	8:00p.m.-8:00p.m.
Basic Writing Skills. Intensive practice in writing sentences and paragraphs and instruction in grammar, usage, and punctuation. Designed for students with deficient preparation. This course graduation in any baccalaureate degree program.				American National Government. Development and nature of American political culture; constitutional and structural arrangements; policy making processes; sources of conflict and consensus.			
English 10	3	MTW	8:00p.m.-8:00p.m.	Psychology 2	3	MTW	8:10p.m.-10:10p.m.
Composition and Rhetoric I. Organization and writing clear expository essays. Prerequisite: Eng 10				Psychology 2 Introduction to Quantitative Business Analysis. Introduction to quantitative methods for conceptualizing business and management problems. Prereq: Math 16, 100			
English 20	3	MTW	8:10p.m.-10:10p.m.	Sociology 1	3	MTW	8:10p.m.-10:10p.m.
Composition and Rhetoric II. Building and presenting cogent written arguments, with attention to style. Prerequisite: Eng 10				Introductory Sociology. Sociological structure; basic human interactions; analysis of social processes and social forces.			
English 133	3	MTW	8:00p.m.-8:00p.m.	Sociology 6	3	MTW	8:00p.m.-8:00p.m.
Modern American Literature to World War II. Frost, Faulkner, Fitzgerald, Hemingway, O'Hara, and other writers; representative of the years between the world wars. Prereq, or concurrent: Eng 20-30				Social Problems. Poverty, delinquency, crime; family disorder; industrial, race, and nationality conflicts and mental disorders.			
Finance 807	3	TTh	10:40a.m.-11:00p.m.	Speech Com 200	3	MTW	8:10p.m.-10:10p.m.
Banking and Corporate Finance.				Effective Speech. Introduction to speech communications: the formal speaking, group discussion, analysis and evaluation of messages.			
History 12	3	MTW	8:00p.m.-8:00p.m.	Theatre 103	3	MTW	8:10p.m.-10:10p.m.
History of Pennsylvania. Chronological and topical survey, emphasizing immigration of diverse ethnic and dramatic aspects, political, economic, and social developments, including industrialization and urbanization.				The Art of the Theatre. Forms and styles and dramatic expression; cultural functions of theatre in the past and present. For nontheatre majors only.			

CLASSES will begin on June 9, Tuesday, unless otherwise noted. FINAL EXAMINATIONS will be on July 31, 1981. An on campus pre-registration will be held May 13 and 14 from 8:30 p.m. to 7:00 p.m. Students may also pre-register Monday night on campus Friday, 8:00 a.m. to 11:00 a.m. and 1:00 p.m. to 4:00 p.m. in the Administrative Service Center. ALL STUDENTS will FINAL register for Summer term classes by presenting their fee receipt from 8:00 a.m. to 3:30 p.m. or Tuesday, June 8th.

TUITION of \$52 per credit or \$472.00 for eight (8) credits or more will be payable on or before Wednesday, June 3rd. The official CATALOG COURSE DESCRIPTIONS have been published for the convenience of students and their advisors. Official transcripts of your Summer term course work will be available after August 31, 1981. You may pick up a transcript request form in the Administrative Service Area or from the person at the information desk.

THE PENNSYLVANIA STATE UNIVERSITY
New Kensington Campus
3500 Seventh Street Road
New Kensington, Pennsylvania 15068