

Student not stopped by cancer

Woman continues studies, graduates despite long-term sickness

By PHIL EVANS
Daily 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 disease is 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 Bonnie 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.

Spring Term marked the start of Bonnie's second year of her battle to defeat the cancer in her body. She tried to continue doing everything she would normally have done.

That meant her competing in the "Little International" again - despite weighing only 65 pounds. She won third place in Fitting and in Showmanship with a 2,000-pound Angus bull.

"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."

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

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 effects 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.

"With the help of friends, Bonnie was making it difficult to breathe. Bonnie was taken off chemotherapy and taken to Geisinger for 12 days just before midterms.

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

"We (the American Cancer Society) can not help them unless they call us. We are here and ready to help," Curtis said.

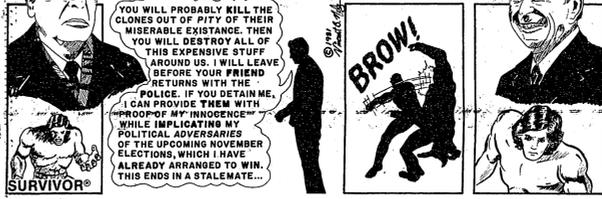
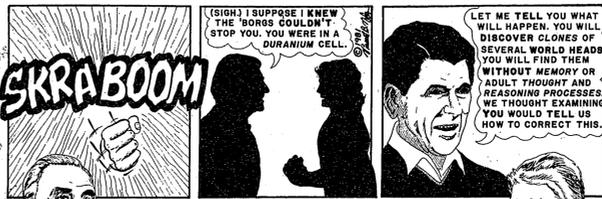
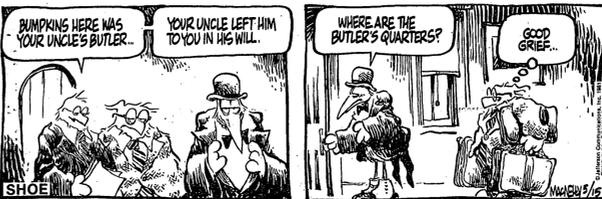


Waterworks

They flushed and 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 Herty, 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 Martini



Crossword

by Mike Shenk
(Answers in Tomorrow's Classified)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26
27	28	29	30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49	50	51	52
53	54	55	56	57	58	59	60	61	62	63	64	65
66	67	68	69	70	71	72	73	74	75	76	77	78
79	80	81	82	83	84	85	86	87	88	89	90	91
92	93	94	95	96	97	98	99	100	101	102	103	104

THE PENNSYLVANIA STATE UNIVERSITY

NEW KENSINGTON 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.-6:30p.m.
Biological Equipment Laboratory (Internship) Practical experience, with or related to the hospital environment, on a variety of biological instruments.				Modern Science and Human Values: Relationships of science to aspirations, values, and arts of man.			
Prerequisite: BET 804 and Biol 41 (69 to 820)				Math 4	3	MTW	8:10p.m.-10:10p.m.
Biological Science 2	3	MTW	6:00p.m.-8:00p.m.	Intermediate Algebra, Polynomials, fractions, exponents, radicals, first and second degree equations and inequalities, functions and functions, systems of equations. Limited to students whose scores on the algebra proficiency examination indicate a need for this course.			
Examining the 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.				Math 5	3	MTW	6:00p.m.-8:00p.m.
Prerequisite: 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: Unit of algebra or Math 4			
Biology 296	3	MTW	6:00p.m.-8:00p.m.	Math 6	3	MTW	8:10p.m.-10:10p.m.
Independent study. Note from the instructor in this course the student conducts 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 categories, the limits exist a significant number and diversity of potential projects. Consent of the concerned faculty member is required.				Plane Trigonometry, Functions; use of logarithms; solution of triangles; trigonometric equations; identities. Prerequisite: 1 1/2 units algebra or Math 5			
Prerequisite: Biol 33, 111, 112, 113, or 222 may not schedule this class.				Math 10	3	MTW	8:10p.m.-10:10p.m.
Chemistry 11	3	MTW	8:10p.m.-10:10p.m.	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.			
Introductory Chemistry, Selected principles and applications of chemistry. Prior study of chemistry not assumed.				Math 120	3	MTW	6:00p.m.-8:00p.m.
Prerequisite: Chem 12				Techniques of Calculus I, Organic chemistry and graphics, derivatives, binomial theorem; matrix algebra; trigonometric functions; trigonometric identities. Prerequisite: Unit of algebra or Math 4			
Chemistry 12	3	MTW	6:00p.m.-8:00p.m.	Math 240	3	MTW	6:00p.m.-8:00p.m.
Basic Concepts and Quantitative relations. Prerequisite: satisfactory performance on placement exam-take Chem 12 for 3 credits.				Intermediate Calculus with Applications I. Functions of two variables; the chain rule; vectors in space; double and triple integrals. Prerequisite: Math 162			
Prerequisite: Chem 12				Math 260	3	MTW	6:00p.m.-8:00p.m.
Chemistry 34	3	MTW	6:00p.m.-8:00p.m.	Marines and Statistics. Systems of linear equations; matrix algebra; determinants; eigenvalues and eigenvectors; applications to differential equations; statistics. Prerequisite: Math 162			
Organic Chemistry. Introduction to organic chemistry with emphasis on the properties of organic compounds of biochemical importance. Prerequisite: Chem 12 or 14				Math 300	3	MTW	8:10p.m.-10:10p.m.
Prerequisite: Chem 12				Technical Calculus. Selected introductory topics from analytic geometry, differential calculus, integral calculus. Prerequisite: Math 162			
Computer Science 101	3	MTW	8:00p.m.-8:00p.m.	Mechanical Eng 22	3	MTW	6:00p.m.-8:00p.m.
Introduction to Algorithmic Processes. Properties of algorithms, languages and notations for describing algorithms; development of a procedure-oriented language to problem solving. Students who have passed Comp Sc 201, 203, 401, or 402 may not schedule this course. Prerequisite: 2 entrance units in mathematics.				Engineering Thermodynamics. Basic thermodynamic concepts and definitions. First and second law of thermodynamics, properties of pure substances. Prerequisite: Chemistry 12, Math 240			
Prerequisite: Comp Sc 101				Microbiology 801	8	MTWTF	8:00a.m.-4:00p.m.
Computer Science 102	3	MTW	8:10p.m.-10:10p.m.	Clinical Laboratory Orientation for Medical Laboratory Technicians. Introduction to basic principles of laboratory work, including the collection, handling, and preparation of biological samples. (69 to 820)			
Computer Organization and Programming. Computer components and organization; representative examples of microcomputers, instruction codes, machine language programming, assembly systems, input-output, subroutines, and macros. Prerequisite: Comp Sc 101				Philosophy 130	3	MTW	6:00p.m.-8:00p.m.
Prerequisite: Comp Sc 101				The Art of Philosophy. The work of a single author or closely related authors will be read. Typical figures: Plato, Descartes, Kant, Hegel, Nietzsche, Wittgenstein.			
Computer Science 140	3	MTW	8:00p.m.-8:00p.m.	Physical Education 5	1	MTW	6:00p.m.-8:00p.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. Prerequisite: Comp Sc 101				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Comp Sc 101				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Economics	3	MTW	3:30p.m.-5:30p.m.	Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Introductory Macroeconomic Analysis and Policy; money and income measurement; aggregate economic models; monetary and economic policy problems.				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Chem 12				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Electrical Eng 813	3	MTWTF	8:00a.m.-4:00p.m.	Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Fundamentals of Electrical Machines. Direct-current machinery theory and applications; Introduction to basic principles of concepts of laboratory methods related to machinery studies. Prerequisite: Chem 12 (69 to 820)				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Chem 12				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Engineering Mechanics 11	2	MTW	6:00p.m.-8:00p.m.	Physical Education 5	1	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: Calculus I				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Chem 12				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Engineering Mechanics 12	3	MTW	3:30p.m.-5:30p.m.	Physical Education 5	1	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	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Chem 12				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Engineering Mechanics 13	3	MTW	8:10p.m.-10:10p.m.	Physical Education 5	1	MTW	6:00p.m.-8:00p.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				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Chem 12				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
English 4	3	MTW	3:30p.m.-5:30p.m.	Physical Education 5	1	MTW	6:00p.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 one year satisfies the basic minimum requirements for graduation in one year.				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Eng 10				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
English 10	3	MTW	6:00p.m.-8:00p.m.	Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Composition and Rhetoric I. Building and presenting cogent written arguments, with attention to style. Prerequisite: Eng 10				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Eng 10				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
English 20	3	MTW	8:10p.m.-10:10p.m.	Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Major Figures in American Literature. The work of a single author or closely related authors will be read. Typical figures: Plato, Descartes, Kant, Hegel, Nietzsche, Wittgenstein.				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Eng 10				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
English 133	3	MTW	6:00p.m.-8:00p.m.	Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Modern American Literature to World War II. Eliot, Frost, Faulkner, Fitzgerald, Hemingway, O'Hara, and other writers; representative of the years between the world wars. Prereq. or concurrent: Eng 20 or 30				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Eng 10				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Finance 807	3	TW	10:40a.m.-11:00p.m.	Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Banking and Corporate Finance.				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Eng 10				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
History 12	3	MTW	6:00p.m.-8:00p.m.	Physical Education 5	1	MTW	6:00p.m.-8:00p.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.				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Eng 10				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Math 162	3	MTW	8:10p.m.-10:10p.m.	Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Introduction to Quantitative Business Analysis. Introduction to quantitative methods for conceptualizing business and management problems. Prerequisite: Math 16, 100				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Math 16, 100				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Sociology 1	3	MTW	8:10p.m.-10:10p.m.	Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Introductory Sociology. Social structure; basic human institutions; analysis of social processes; major social forces.				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Eng 10				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Sociology 6	3	MTW	6:00p.m.-8:00p.m.	Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Social Problems. Poverty, delinquency, crime; family disorder; industrial, race, and nationality conflicts and mental disorders.				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Eng 10				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Speech Com 200	3	MTW	8:10p.m.-10:10p.m.	Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Effective Speech. Introduction to speech communications: the formal speaking, group discussion, analysis and evaluation of messages.				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Eng 10				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Theatre 103	3	MTW	8:10p.m.-10:10p.m.	Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
The Art of the Theatre. Forms and styles and dramatic expression; cultural functions of theatre in the past and present. For nontheatre majors only.				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.
Prerequisite: Eng 10				Physical Education 5	1	MTW	6:00p.m.-8:00p.m.

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6:30 CBS NEWS
6:30 HAPPY DAYS AGAIN
6:30 NEWS CONTINUED FROM DAYTIME
6:30 INTRODUCTION TO PHILOSOPHY
6:30 NEWS
6:30 ABC NEWS
6:30 SNEAK PREVIEW
6:30 CBS NEWS
6:30 SATURDAY NIGHT LIVE
6:30 DAILY NUMBER
6:30 DAILY NUMBER REPORT
6:30 DAILY NUMBER
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