Summer 1987

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Taylor University

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### Feature Articles

**The Pulse of a Pioneer**

In the two decades since he performed the first human-to-human heart transplant, Dr. Christiaan Barnard has tallied immeasurable experience and insight; he relates the changes in his life over the past 20 years and discusses the state of the heart.

**Joy and Celebration**

During a two-day visit to Taylor University, Dr. Christiaan Barnard lectured to pre-med students, chatted with reporters, dined with area medical experts, and shared with a campus-wide audience his views on the value of life — quality is more important than quantity.

**A Change of Heart**

A Taylor University student reports on his father’s heart transplant of a year ago, the struggles and setbacks he has faced in his recuperation, and the power of love and faith in their family that gives them strength to face each new trial.

**But I’m Only 37!**

Connie Griffin had a husband, three children — and a heart defect requiring immediate and risky open-heart surgery; pain and suffering became her two closest companions, but through this “quiet” time, she came to understand why God allows His people to struggle.

**Fitness/Wellness: The Christian’s Response**

Taylor University’s approach to whole-person education now includes a Fitness for Life course required of every student; a commitment to well-being makes sense for all people, but it’s more than that for the Christian — it’s a responsibility.

### News Items

- Engstrom presents grads with 21st-century challenge
- Whipplng up cell biology research at Taylor University
- Jenkinson concludes his year as president of the NAIA
- Chairman named, four trustees added to Taylor’s board
- Class News, plus weddings, births, deaths, global Taylor
- Student development & services vice president named

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**Taylor University Magazine**

Summer, 1987

**Editor:** Kurt E. Bullock '81

**Class News:** Betty Freese

**Photography:** Jim Garringer, Kurt Bullock

**Darkroom Tech:** Jim Garringer

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As a ten-year-old boy, I can remember sitting on the living room couch, my feet not yet touching the floor, reading and re-reading the December 11, 1967, issue of Life magazine. Highlighted on its front cover was the historic human heart transplant performed by Dr. Christiaan Barnard.

I was fascinated and in awe that a man could extend life — replace one's heart when his own had failed. I remember pondering the advance and wondering how a man could ever dream of doing what Christiaan Barnard had achieved.

I truly had no idea I would someday travel with and know this remarkable individual on a personal basis, receiving firsthand answers to my many questions. I was not only to have my questions answered, but to have my thought processes challenged about life on earth. Philosophically, I was to grow from quantity to quality thinking through the influence of this South African doctor.

In 1983, I became director of public relations at Baptist Medical Center of Oklahoma, Oklahoma City, a large and extremely progressive, innovative acute-care hospital. Shortly after my arrival, the first major public relations function to be planned was the opening of the Oklahoma Heart Center. The highlight of the dedication events was to be a keynote address by the heart transplant pioneer, Dr. Barnard, a long-time friend of the chairman of the new Heart Center, Dr. Nazih Zuhdi. Naturally, I felt ecstatic because the day promised to be an overwhelming community and media event, one which would help position the new Center as a national leader in cardiovascular care. We also would have the opportunity to actually meet a medical genius whose name is recorded in history.

The tall and fit, conservatively-dressed man I met with a firm handshake was very gracious and warm, a caring individual. His demeanor was one of a humble visitor who possessed a great abundance of energy and interest in what was to unfold at Baptist. Many say that first impressions are deceiving, but the first impression I had of Dr. Barnard has held consistently true wherever I have seen him, whether in Oklahoma or on the many trips we have made together on behalf of the hospital.

After the success of the dedication event and the acceptance of our medical staff, Dr. Barnard was extended a five-year contract to serve as scientist-in-residence at our facility. His chief responsibilities are to develop our heart and heart-lung transplant programs, establish research protocols, and represent the Center as an enthusiastic ambassador on visiting lectureships. On these trips, I accompany Dr. Barnard to handle the press details and have grown to know him personally — as a doctor, an author, a
physician, a scientist, and, most of all, as an extraordinary human being.

It is his wide knowledge of our world, regardless of the topic, and his common sense approach to life's problems that impress me most. Since 1983, the 63-year-old surgeon has crisscrossed the United States with invitations from some of this nation's leading medical institutions to discuss his views, his beliefs, and his personal thoughts on heart transplantations. But what comes from his lips are not merely words about replacing an organ, but a philosophy of how he feels life should be -- for all mankind.

Barnard was raised in Beaufort, Cape Province, South Africa. His parents were Protestant missionaries who put their beliefs into practice. Barnard has often remarked that "the Barnards weren't well liked by many white families because we befriended blacks and treated them as equals." The impressionable young boy learned from his early years the attitudes toward apartheid that have forged his present convictions. Barnard today strongly opposes segregation and oppression. He maintains a passionate concern for fairness and the quality of life for all.

"One of the main reasons I chose medicine as my life's work was to help people experience a better level of living," Barnard says. He began his career as a family physician but soon returned to study surgery at Groote Schuur Hospital. In 1956, on scholarship, Barnard trained at the University of Minnesota and received a master's degree in surgery and a PhD in cardiac surgery.

Barnard then returned to South Africa with a U.S. Public Health Grant to continue research in cardiac surgery. This research included experimentation with animal organ transplantations and heart valve replacement surgery.

Every researcher must decide when to move from the experimental laboratory area into clinical practice, Barnard says. Such was the leap of faith for the first transplant with humans.

"As we progressed, we learned to repair hearts," Barnard said, "but if they couldn't be repaired, we lost the patient. Transplantation was a natural progression in our thinking."

This past winter, Barnard shared his early experiences as a heart transplant pioneer in a forum which included Dr. Denton Cooley, Dr. William DeVries, and Dr. Robert Jarvik at the Foundation for American Communications in Washington, D.C. The following includes excerpts from his comments on some of today's issues surrounding cardiovascular medicine.

First Transplant

"When we started doing the first transplant, I went to the cardiologist and together we decided on criteria to use for patient selection. These still hold today. The patient must be in total heart failure as a result of irreversible, extensive destruction of the heart muscle. He must not respond to intensive medical treatment, and we must not be able to help him by more conventional surgical intervention. When we decided on this, we consulted the medical/legal staff about the donor's death and how we would go about getting a donor and a heart. By the time we had worked all this out, we had some experience with kidney transplantation and immuno-suppression.

"One night we selected the patient, a Louis Washkansky. He was 58 years old, a severe diabetic with extensive edema. We then got a donor. That night, I operated on the man and replaced his heart. When the operation was finished, I thought, 'I'd better tell somebody in this hospital that we've done the operation.' I phoned the medical superintendent, Dr. Berger, the head of the hospital. I said, 'Dr.
"I was watching a TV program the other day," Barnard says. "An artificial heart recipient, the late Bill Schroeder, was described going fishing. He had to alert technicians, change his driving machine, get in a van with a bunch of people, and so on. I just thought how different it would have been if he had had a human heart transplant."

Berger, we've done a transplant, a heart transplant.' He said, 'Why do you wake me?' And I said, 'No, tonight we did one on a patient.' And he said, 'Well, how is the patient.' I said, 'Well, very well.' He said, 'Well, thank you for telling me that.' "

"Now, during the operation that night, there wasn't a single reporter at the hospital... not a single picture was taken of that operation. In fact, there have never been pictures taken by the mass media in the operating rooms where I've done transplants. There was no reporter and no television team. The next morning, while driving home, I heard on the radio. It said that a team of doctors at Groote Schuur Hospital had performed the first human-to-human heart transplant. That was all the publicity we got. When I got home, a friend called me from town and said, 'Chris, listen. I know you did the transplant, and if the newspapers don't mention your name, I'm going to write a letter and tell them."

"Well, it was quite a different situation that night. A TV crew from the United States arrived and within a week there were journalists from every part of the world to interview us. Overnight we became very important and very popular."

Quality of Life

Barnard admits that in those days the work was experimental. In fact, he describes that time in very much the same terms as the experimental phase of the mechanical replacement of the heart. Consider this -- the first patient operated on lived 18 days after surgery and then died from infection. The second patient operated on left the hospital and lived for 20 months after transplantation. Four patients lived more than 18 months. Two survived for more than ten years, one passing twelve-and-a-half years and another still alive after fourteen-and-a-half years.

It's all about the quality of life, according to Barnard. After a human transplant, patients live virtually normal lives, as normal as a patient receiving insulin for diabetes.

"I was watching a TV program the other day," Barnard says. "An artificial heart recipient, the late Bill Schroeder, was described going fishing. He had to alert technicians, change his driving machine, get in a van with a bunch of people, and so on. I just thought how different it would have been if he had had a human heart transplant. He would not have had to alert anybody to go with him. He would not have had to change his driving machine nor alert technicians. In fact, if he went fishing and felt like taking a swim, he could have even done that. That is the difference between quality of life with a human transplant versus a mechanical device."

Criticism Comes and Goes

During the past year, Barnard has received some criticism for his work and involvement with Glycel, a cosmetic product proclaimed to be an age reversing agent for human cells. Barnard says the information from the discovery of the glycoswingolipid has been applied in the makeup of the Glycel creme which reversed the effects of ultraviolet light. This is what causes skin to age.

"But the principles in the research leading to Glycel also may have major implications for research in multiple sclerosis and other microcellular dysfunctions," Barnard says. "If we learn the secrets of cellular biology, we may make great strides in all types of transplantations and organ preservation."

Barnard quipped, 'In all of my work -- surgical, clinical, or in the laboratory -- I've received criticism from different groups throughout time, and I have to tell you I haven't lost one minute's sleep over it.'

Two Hearts, One Human

Another major contribution of Barnard's was the first "piggyback" transplant -- the placement of a donated heart alongside the patient's native heart.

"This procedure occurred to me when I lost a close family friend I was performing a transplant on," Barnard says. When he left the operating room, Barnard's son asked his father what had gone wrong. The surgeon responded that the transplant heart had failed to start beating. The son responded, "At least his own heart had kept him alive." Barnard said this statement served as a catalyst. Later that evening, Barnard sketched a diagram of connecting a transplanted heart to the native heart so they would work in a cooperative manner. Although still uncommon, three such surgeries have been performed in Oklahoma, and the patients are alive and doing well today.

The Mechanical Heart

"When discussing transplants or mechanical hearts, you must also consider the cost of the alternative. When many people talk about transplantation, they argue that it costs $100,000, and if you don't replace the heart, it costs nothing. That's not true. When you have a heart failure patient and you don't do a transplant on him, the cost is
Joy and Celebration

Dr. Christiaan Barnard shares his views on quality of life with Taylor's campus

Just as he had prepared so many thousands of patients for surgery, Dr. Christiaan Barnard carefully prepped his Taylor University audience during a campus-wide convocation May 8.

Greeted by a long round of applause, Barnard quickly sliced into his topic, the value of life, by defining the boundaries of his views. "I'm only qualified to talk about the value of life as a surgeon values life," stated the man who performed the first human-to-human heart transplant in 1967.

"I'm unable to talk about what value the guards in the concentration camps during the Nazi regime placed on life. I'm also unable to tell you of the value the soldier, who shoots his enemy in cold blood, puts on life. Nor have I the ability to tell you what value the doctor who does 20 abortions a day puts on life. Or the lawmakers, who spend billions of dollars on creating machines to destroy and kill people when there are millions of people dying of hunger and malnutrition, what value they put on life."

And with those few words, Barnard captivated his audience.

Please turn to "Celebration" on page 22

Value of Life

Perspectives on Pain and Suffering

by Mark Cosgrove
Professor of Psychology

There exists a lot of confusion today in making scientific and political decisions about what makes human living worthwhile. Is it worthwhile to live the life of a scarred burn victim, a retarded child, or a person with Alzheimer's disease?

Dr. Christiaan Barnard suggests that the quality of a person's life and not just the presence of a heartbeat is the key to defining a worthwhile life. He defines a quality life as one with joy and a celebration in living. While this definition is better than mere physical descriptions of life, it does not help us see value in our lives during the times of pain and suffering. Where is the joy and celebration when your child is dying of leukemia or you are a bedridden, ninety-year-old woman?

The value of human life must first be seen in the nature of our personhood as opposed to mere physical dimensions of being. We are beings created in the image of
"Today we can keep anyone 'alive' with technology. But as physicians, as human beings, we must ask ourselves about the outcome of that life with our intervention. I believe we should strive to improve the world's quality of life, not the quantity," Barnard says.

considerable. You can't leave him alone. You have to continue medical treatments, expensive medical treatments. It all costs a lot of money, and the patient may never return to productive living, which is also expensive. He will die sooner or later because nothing can save his life. How much money is a father, a mother, or a son worth?"

Personal Life

Of his personal life, the doctor says that it has been highly sensationalized by the media. "I never asked for all the coverage I received. In fact, at most times in my research, I would have preferred privacy. But my professional work opened my personal life to the world, and because of it, I, my children, and relationships have suffered. I have always tried to be responsive to the press, in response to scientific discoveries."

When Barnard looks into the future, relating to both medicine and himself, he still sees the real issue of life as defining and improving its quality.

"Today we can keep anyone 'alive' with technology. But as physicians, as human beings, we must ask ourselves about the outcome of that life with our intervention. I believe we should strive to improve the world's quality of life, not the quantity. I will continue to work in any area that will do this because I love living and I love medicine. When I get up in the morning, I hunger for it. And if I didn't, I'd stop."

Michael Reger '79 is assistant vice president in charge of public and media relations for the Oklahoma Healthcare Corporation, the owner of Baptist Medical Center of Oklahoma. During Dr. Barnard's time in Oklahoma, Reger and his staff handle Barnard's appearances nationwide.

"My own ability to perceive and experience a higher, better quality of life has increased through close association and understanding of the way Dr. Christiaan Barnard truly is," Reger says. "His respect for life and our Creator of life shines through in philosophy and practice."
His illness came very suddenly, in August, 1984. A few minor blood clots were found in his legs and were removed. During September, while recovering from these surgeries, he suffered a stroke. Another blood clot had traveled to his brain. Two days later, he had open-heart surgery to remove still another blood clot which was inside the heart.

Something that sticks in my mind about his open-heart surgery was the surgeon's meeting with us following the operation and showing us the ping-pong-ball-size clot that he had removed from Dad's heart. We realized just how close he had been to death. Before the operation the doctor warned us of the high risk involved in the surgery and the possibility of death, but Dad pulled through.

He had a long way yet to go to recovery.

The stroke really affected him. He lost a lot of his memory and mechanical skills. He had to learn to read and write all over again, as well as regain other basic abilities that we take for granted. We knew at this point that Dad would never return to what he had been; instead, we were thankful that we still had him.

Those were hard and trying times for all of us. Knowing what my dad had been like, it tore me up inside to see him struggle with things like simple math problems and spelling during his time of rehabilitation. Through rehabilitation, encouragement, trust in the Lord, and his own burning desire to achieve, Dad pulled through and regained most of the tools he lost due to the stroke.

His problems appeared to be over, at least for the time being. Dad took an early retirement and soon began to live a semi-active life once again--up until last summer, when his condition began deteriorating. He was having difficulty breathing; he could not sleep through the night without having to sit up for several hours; he was completely exhausted by the end of each day.

Something was wrong.
My father’s quality of life will never be what it was before he became ill three years ago. He will never work again or go on daily jogs, yet he has a powerful relationship with his family and the Lord, and he is alive today to witness it all. What more could we ask for?

A visit to the cardiologist at the University of Cincinnati Medical Hospital once again altered his chance to carry on his life. He was admitted to the hospital the same day of his appointment with congestive heart failure.

His heart was failing him, again. It was double its normal size and pumping out only 13% of the blood that flowed into it (normal for him should have been 55-70%). In short, the doctor told my dad that he had six to eight months to live with his heart in its deteriorating condition; his only alternative would be a heart transplant.

When informed by the doctor of this, my father’s reply, with many tears, was, “I don’t want to leave my family.”

After explanations of the complications and side effects that could evolve, my father made the decision to have a human heart transplant. Thus began a long wait... a wait for someone to donate his living organ to my father for transplantation.

When I first learned that my father was going to have a heart transplant, I was shocked. People receiving heart transplants was something I usually read about in the paper or saw on the news — but now it was my father. It was hard for me to comprehend all of this, in the beginning, yet my father’s life depended on it, and it was the only alternative.

To think that a human heart can be transferred from one body to another still boggles my mind. Our family all agreed to the operation, with much love, support and prayer.

During this time of waiting, the most important thing that we did was support my father through encouragement and love. His attitude was great; he knew what was in store for him, and he knew it was for the best.

We waited three months for a phone call that eventually came, a phone call which would bring good news of an acceptable donor heart.

The call brought great relief, anticipation, and fear.

The operation was a success. At age 56, Albert Paul Fetzer was the 23rd patient to receive a human heart transplant at University Hospital. The big operation was over, yet trials and times of testing were still ahead for my father and our family.

His body accepted the heart with no major problems. This truly seemed like the turning point. It was over, the operation was a success. Though he spent many days in a germ-free intensive care room, Dad always seemed to be improving. When he was awake and alert, his attitude was positive. Even though these were hard times, we, as a family, never gave up hope.

Before we knew it, Dad’s initial hospital stay of two-and-one-half weeks was over, and he came home. Looking back, it all went so fast, although I know the memories will last a lifetime. It was not pleasant for me to see my dad hooked up to machines with drug lines and monitors running in and out of him. It was pleasant, however, for me to see him alive and breathing on his own, once everything was turned off and removed.

Ten months have gone by since the operation. Dad has had many problems since then, ranging from a case of the shingles to having his gall bladder removed. His life, right now, depends on the drugs that he must take in order to fight the possibility of rejection. Dad takes three main drugs to fight rejection, plus about twelve more to control his blood pressure and the side effects of the three primary drugs. The drugs make him immuno-suppressed; therefore, viruses that are already in the body pop out here and there.

As of July, my father has been in the hospital for over 100 days since the first of the year. We are not sure what tomorrow brings, but we trust in God that it will be for the best, whatever it is. My father’s life is still an uphill struggle that he must face daily. His new heart is fine; there is no rejection at this time, yet sometimes, all of the other problems he has faced seem devastating. Sometimes we wonder if his pain and suffering will ever end.

My father is very close to the Lord Jesus Christ, and that helps. At times he may be suffering, but he is always rejoicing in the strength of the Lord and anticipating better days!

Before the transplant, we were told of possible complications, but I never imagined they would be as harsh as they have been. Dad is in the hospital this summer with spinal meningitis that has kept him bedridden and very weak. The doctors are talking about letting him come home soon, which will be great!

My father’s quality of life will never be what it was before he became ill three years ago. He will never work again or go on daily jogs, yet he has a powerful relationship with his family and the Lord, and he is alive today to witness it all. What more could we ask for?

Sometimes we take for granted the common things in life, like our health or our family. My father means an awful lot to me, and I love him dearly.

When I returned to Taylor last fall, he apologized for not being an adequate parent these past few years because of his health.

I told him that was nonsense. He has done more for me than any child could ever expect!
But I'm only 37!

by Connie Griffin

I awakened slowly from a two-day drugged sleep to the sterile surroundings of the Intensive Care Unit in Butterworth Hospital. Another patient was being brought in from surgery, and across the room I could see the form of a patient sleeping in a chair.

I had just been through open-heart surgery and was still not totally aware of all that had happened. My husband and parents had been in and out for two days, and I had vague recollections of their ministrations.

Earlier in life — when I was twelve years old — my family doctor discovered a heart murmur while conducting a routine physical. An undiagnosed case of rheumatic fever a few years earlier had evidently caused the murmur. During the next few months I saw several specialists who confirmed the diagnosis and predicted that I would need corrective surgery by the time I was 40 (a fact I promptly tucked away in the back of my mind, but which proved to be very accurate — I was 37!). The doctor's only limitation was "no school P.E." — and I didn't argue.

I set out to prove that I was as healthy and energetic as any other person. In high school I was active in choir, drama, Youth for Christ, church youth group, and of course dating. Life was great!

Later I married, had three children, and was living a full and active life. We had moved to Indiana from California, but I had procrastinated in finding a doctor. In the past I had vividly the anxiety I felt going to and from the hospital that day for the test. If I became too prepared emotionally and the doctors said I did not need surgery, it would probably be a letdown. On the other hand, if I did not prepare for surgery and it was necessary, I would not be able to cope well either. I felt like I was over a barrel.

We arrived back at the home of our new friends, the Stockingers, and later in the afternoon we received a phone call from Fred. His feeling was that I should have the surgery, but that I should not wait any more than two or three months. My heart had begun to enlarge. After much discussion and prayer, we decided that "now" would be the perfect time.

Fred had room in his surgery schedule, Jane graciously offered to care for our children, Bob had more vacation time coming, and my mom and dad could make plans to fly in immediately from California.

We spent time talking with the children about my impending surgery, and although they did not absorb the situation in detail, they knew it was serious. We prayed and cried together as we thought of the future, believing that God knew all about our little family. Bob and I spent the evening talking on the phone or requesting prayer from family and friends around the country.

The next morning Bob did some shopping for me; then early afternoon I checked into the hospital. I felt very anxious until I arrived in my

Even though I struggled with pain and depression, I never doubted the presence of God in my life nor questioned the fact that He had allowed this "quiet" time for a reason.

faithfully had a yearly checkup — complete with X-rays and electrocardiogram. It had now been two years since I’d seen a doctor.

We became acquainted with Dr. Fred Stockinger, a cardiovascular surgeon in Grand Rapids, Michigan, who was a trustee at Taylor University where my husband Bob was now serving as campus pastor. I called Fred and asked if we could stop in Grand Rapids on our return from a vacation in northern Michigan. We spent a lovely weekend getting acquainted with Fred, Jane, and their four children, who were very close in age to our three. Jane and I immediately began to build a close relationship which continues today.

While there, Fred arranged an appointment with a fellow physician who discovered that my blood pressure was very low. This fact meant that my heart was working too hard to compensate for the leaking aortic valve that had been damaged years before. He suggested we stay over another day for a heart catheterization — which we did. I remember

...
room, and then a great peace flooded over me, and I had the assurance that I would come through surgery just fine. The night before surgery I had planned to write farewell messages to my three children — then thirteen, twelve and five — but God gave me such overwhelming quietness and a sense that I would come through surgery that I did not write any messages.

We had experienced many emotions in just four short days: denial of the possibility of surgery, fear for the children, questions about the future (in fact, I even told Bob that if I died I wanted him to remarry — he could maybe live without a wife, but the children needed a mother), and finally acceptance of the fact that I needed surgery.

The operation went well, and even though there were a couple of rough days in the hospital, I did very well. The children came to visit one day, and Debbie remembers how scared she was because she had never seen me sick and was afraid I was going to die.

I left the hospital a week following surgery and went to stay with the Stockingers for two days before returning home to Indiana. The children had been treated royally with trips to the museum, the waterslide, McDonald’s, and numerous other places special to kids.

The worst was yet to come. The next five weeks were long and difficult. I felt that I would never be well again. I cried every day, and often felt very alone. I was told I would suffer depression — and I did. Severe muscle cramps in my back also caused great discomfort. The family all took turns rubbing my back with Ben-Gay.

The community around us was wonderful. A hot meal was brought to us each evening, a group of gals came each week to clean, and a couple of friends came faithfully to pick up our dirty laundry and bring it back clean and ironed. One friend even noticed the dusty grate under the refrigerator and cleaned it! The body of Christ was at work. Many people came to visit, and I felt the prayers of friends around the country as the get-well cards continued to fill our mailbox.

I am not sure how the children will look back on my surgery and recuperation, but hopefully they will remember the many people who cared for us. It was also a very difficult and stretching time for Bob as he struggled with being mother and father as well as picking up responsibilities in a busy fall campus schedule.

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Connie Griffin shares her poetry in this article as a way of expressing the struggles and difficulties she experienced during her open-heart surgery and subsequent recuperation. "We must allow ourselves to feel the pain, embrace it, and let God touch us in a way that brings personal maturity and healing from our suffering," she says.
Pain... That unseen force That drives me to my knees -- I ask Why? How long? Is this fair?

My body responds to its compelling control And I have to listen.

My mind too succumbs as it unleashes its fury.

I am driven to despair as I contemplate hours and days of this haunting presence.

Yet I cannot escape.

But then... I breathe deeply of Your presence And I see anew You are there too.

A new sensitivity arises I listen and hear... A child in distress, A mother's plea, A sorrowing friend, And thee.

I was gradually increasing my daily walk until I was covering three miles a day. By now it was fall; the leaves were changing color, the students were returning to campus, and I realized that I was getting well. My walks afforded me a great opportunity for prayer and meditation without the interruption of children and household duties.

One of the most significant by-products of my surgery was the new closeness the crisis nurtured in Bob and me. We had struggled at times in our relationship, but because of my being temporarily out of commission, Bob felt much more needed than he had before and was ready to be available to care for me. My value to him took on new significance, and his love for me grew. It brought us together in a way we had never experienced. For the first time in our marriage, I felt respect, appreciation, acceptance for who I was. I had longed for those feelings.

Today we share openly with engaged couples the struggles we experienced and the faithfulness of God. Our commitment to our marriage got us through those "winters of emotional discontent" to a "newness of springtime" love.

Now -- five years later -- I am strong, healthy and enjoying life and ministry. One of the passages of scripture that God gave me during my recuperation was II Corinthians 1. Paul reminds us that in our trials and difficulties we come to a new understanding of what it means to suffer and be comforted by God; then we can more effectively minister to others in their suffering with the same comfort God gave us.

If I had not experienced the pain and limitations of open-heart surgery, I could not as effectively care for others in pain. If I had not struggled in my marriage, I could not be as understanding of those who suffer around me.

Even though I struggled with pain and depression, I never doubted the presence of God in my life nor questioned the fact that He had allowed this "quiet" time for a purpose.

Each of us, at one time in his life or another, struggles and experiences difficulties which are part of the fallen world in which we live. Our pain is very real, even though it may not seem to measure up to the pain of someone else. We must allow ourselves to feel the pain, embrace it, and let God touch us in a way that brings personal maturity and healing from our suffering.

I have thanked God often (in my better moments) for suffering, because I know that the process continues to conform me to his image, helping me to reach my goal of becoming the woman that God intends me to be.
For several years the physical fitness movement in America has been highly visible. Benefits of exercise and a physically-active lifestyle are detailed in magazines, newspapers and books, and discussed often on radio and television.

These treatments of physical fitness usually focus on cardiovascular fitness (heart, lungs, blood), muscular strength and endurance, flexibility, and body composition (weight and percent of body fat). Development of these “health-related” components of physical fitness requires rather specific programs and the appropriate "intensity," "duration," and "frequency" for each individual’s needs. This type of "exercise prescription" can often be obtained from trained personnel in health clubs, YMCAs and YWCAs, fitness centers, corporate fitness centers, and local educational institutions.

In addition, numerous highly-qualified authors are producing excellent program guidelines, ranging from the needs of a beginning exerciser in middle age to the regular runner wanting to train for the marathon.

During the early years of the fitness movement, the general public often viewed the jogger, cycler, aerobic participant as having been somewhat typical, perhaps an ex-athlete trying to retain some vestige of past glory or simply an eccentric with time to "waste." However, as time passed and the benefit of exercise received publicity, the movement gained respectability, to the extent that nearly all people today at least acknowledge their need for some physical activity.

As the physical fitness movement has progressed, a relatively new term, carrying a broader meaning, has emerged: Wellness. Wellness suggests a lifestyle that is characterized by a deliberate effort to maintain good health and achieve a state of total well being. Physical fitness is a vital part of that whole concept, but it is also joined by other components such as nutrition, drug and alcohol control, stress management, accident prevention, and mental, social and spiritual fitness.

The strength of the concept lies in its recognition of the interrelatedness of all aspects of a person’s life. For example, one cannot deal only with the physical. Neither can spiritual growth occur in a vacuum. It is influenced by physical elements, social characteristics, and all other parts of our total being.

With this information as a backdrop, what should be the response of the Christian to the fitness/wellness movement, and how can we at Taylor University justify our efforts to encourage this type of lifestyle among our students?

While the scriptures do not contain admonitions such as "...thou shalt jog," or "Delight thyself in aerobics and He shall give thee a healthy heart," there are significant scripture references which suggest physical fitness and wellness may be more than an opportunity,

by Larry Winterholter ’64
Associate Professor of Physical Education
that they may in fact be a responsibility for the Christian!

In I Cor. 6:18-20, Paul says, "Flee from sexual immorality. All other sins a man commits are outside his body, but he who sins sexually sins against his own body. Do you not know that your body is the temple of the Holy Spirit who is in you, whom you have received from God? You are not your own; you were bought at a price. Therefore, honor God with your body." (NIV)

Admittedly, this reference is from a section of scripture in which Paul is addressing immorality, and some have suggested it has no relationship to the case for regular exercise. Clearly, though, verse 18 points out that a major result of the sin of sexual immorality is the impact it has on one's own body. J.B. Phillips finishes verse 20 as follows: "...therefore bring glory to God both in your body and in your spirit, for they both belong to Him."

Psalm 139 states we are "fearfully and wonderfully made." Rom. 12:1 calls us to "...offer your bodies as living sacrifices, holy and pleasing to God — this is your spiritual act of worship." (NIV) Eph. 5:15 instructs us to "Be very careful, then, how you live — not as unwise but as wise, making the most of every opportunity..." Finally, both I Cor. 10:31 and Col. 3:17 carry the same message — whatever we do, do it as unto the Lord, for His glory. None of these verses carry the directive "thou shalt sweat," but they all offer instruction to the Christian regarding the importance and reasons for caring properly for the body.

The Christian's response to the fitness/wellness lifestyle must be motivated by more than personal gains and benefit, of which there are many. Our Lord wants us to be able to function at our best level, for Him, in all areas of our life. That will be impossible if we are careless or unconcerned about our physical well-being. For example, fitness experts agree that good cardiovascular fitness calls for some type of aerobic exercise (walking, jogging, swimming, cycling, etc.) performed three or four times weekly, at an appropriate intensity level, for 20 to 30 minutes each time. With this information available, and the Christian motivated to function at his best, it appears that the Lord would expect us to respond by participating in some type of aerobic exercise.

Some Christians have adopted I Tim. 4:8a as their life verse: "...bodily exercise profiteth little." When looked at in context, however, Paul is not providing an excuse for avoidance of exercise, but is stating that in comparison to spiritual fitness, physical fitness is of somewhat lesser value. A better rendering of the meaning of that verse is, "for physical training is of some value, but godliness has value for all things." (NIV)

It is at this point that the concept of Wellness is appealing to the Christian. Certainly, physical fitness is not the ultimate goal of mankind, but for a person to be truly well, physical fitness must be included. Fitness/Wellness cannot guarantee anyone a longer life, but there is great evidence that it increases the quality and productivity of life. For us Christians, the length of our earthly life is not our major concern, while being a "living sacrifice," without spot or blemish, is a goal.
WEEKEND CALENDAR

Spirit Week Activities on campus Monday - Thursday, October 12-15
(Taylor is on Eastern Standard Time)

Friday, October 16

10:05 am Chapel, We the People . . . One in Christ

1:00 pm *Cont Ed: Anger: Friend or Foe

2:00 pm *Cont Ed: Fitness/Wellness - The Christian's Response

3:00 pm *Cont Ed: AIDS - Myth or Reality?

4:00 pm *Cont Ed: The Complete Woman

8:15 pm *Danny Gaither & Image in concert

Following the concert

Saturday, October 17

9:00 - 10:00 am Music and Social Work Reunions (Refer to list for locations)

10:15 - 4:30 pm *Child Care available - ages 3-11

10:30 am *Alumni Brunch Awards • Music • Reunion tables

10:30 am Soccer - TU vs Anderson

11:00 am Women's Volleyball - TU vs Marion

11:00 - 12:15 pm Lunch Americana for students

12:00 noon Bell Tower Classic Run

1:00 pm Crowning of the Homecoming Queen

1:30 pm Football - TU vs DePauw

4:30 - 6:00 pm Various department reunions (Refer to list for locations)

4:30 - 6:00 pm President's Open House

6:00 pm Science Alumni Dinner

8:15 pm *Revolutionary Ideas • A musical

Following the musical

Refreshments

Sunday, October 18

8:30 am *Breakfast & Morning Devotions

Speaker, Mrs. Jean Bergwall, former TU First Lady

Service of Worship and Dedication

Speaker, President Jay Kesler

Dedication of the Evan H. Bergwall Banquet Room

* Please make advance reservations

TAYLOR UNIVERSITY • OCTOBER 16-18, 1987
FRIDAY CONCERT

Danny Gaither & Image will lift your spirits with their concert selections ranging from quiet gospel and favorite hymns to contemporary up-tempo songs. Gaither, a well-known name in gospel music for over thirty years, is a former member of the Bill Gaither Trio. Now teamed with daughter, Trina, and two other talented singers, Marc Clarke and Jay Rouse, Danny is an able communicator of God's love. Don't miss this evening of good music with a message!

SATURDAY FOOTBALL GAME

A Taylor tradition—the Homecoming football game, where old friends gather in Wheeler Stadium to support the Trojans. Come early to see the Homecoming Queen.

On the gridiron
TU vs DePauw

SATURDAY MUSICAL THEATRE

Revolutionary Ideas was written from the viewpoint of a young person changing from a British subject to an American. Its music reflects the humorous, the serious, and the poignant facets of the fight for independence. The cost of freedom—was it worth it? Yes, of course! It was then, and it is now, because--

We founded our land on liberty,
Based our hopes on democracy,
And if we don't make it work, Oh Lord,
Who will . . . Oh Lord, who will?

Come celebrate with us as our Taylor students perform this rousing and entertaining musical for your pleasure!

SUPER FRIDAY CONTINUING EDUCATION

Continuing Education is cooperating with Alumni Relations to provide you with learning opportunities designed for individual enrichment and acquisition of new knowledge and skill. Join us on Super Friday for one or more of these special mini-courses.

1:00-1:50 pm - Anger: Friend and Foe by Mark Cosgrove, PhD, Professor of Psychology
A Christian perspective on anger is developed. Topics include: Is anger a sin? How to express your own anger. Dealing with anger in the family.

2:00-2:50 pm - "Fitness/Wellness" - The Christian's Response by Larry Winterholter, MS, Assoc. Prof. of Physical Education
What is fitness/wellness? What does it require? How does a Christian respond? What is Taylor's program?

3:00-3:50 pm - AIDS - Myth or Reality? by David Brewer, MD, University Physician
Epidemic? Media Hype? Scare Tactic? Am I at Risk? Whatever your position, it is your responsibility to be informed.

4:00-4:50 pm - The Complete Woman by Beulah Baker, PhD, Professor of English
Contemporary opportunities challenge us to be confident, complete women whether we are single or married. How can we enhance our roles as self-directed, committed Christian women? A panel of Taylor professional women will compare strategies which enable them to be alone and alive, or married and self-fulfilled. You will be invited to contribute questions and solutions.

Course fees: Take one course for $3, two for $5, three for $7, four for $10. Special activities have been designed to creatively entertain your child while you take advantage of the mini-courses. Kiddie College is staffed and run by Taylor faculty from the Education Department. Fees: $1.00 per child per course.
### INTEREST GROUP
### ALUMNI MEETINGS ON SATURDAY

You are invited to stop by and meet others from your major field who attended Taylor. Hosted by the Department faculty.

<table>
<thead>
<tr>
<th>Field</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>4:30</td>
<td>Ayres Bldg Ground Floor</td>
</tr>
<tr>
<td>Biology</td>
<td>4:30</td>
<td>NS 109</td>
</tr>
<tr>
<td>Business/Acctg, Econ</td>
<td>4:30-6:00</td>
<td>Gorner home (across from Taylor Lake-2nd house west of Odie's red barn)</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4:30</td>
<td>NS 301</td>
</tr>
<tr>
<td>Communication Arts</td>
<td>4:30</td>
<td>Ayres Bldg Little Theatre Lobby</td>
</tr>
<tr>
<td>Education</td>
<td>4:30</td>
<td>RC-LRC</td>
</tr>
<tr>
<td>English</td>
<td>4:30</td>
<td>RC-240 2nd floor</td>
</tr>
<tr>
<td>History/Soc Studies</td>
<td>4:30</td>
<td>RC Lounge 2nd floor</td>
</tr>
<tr>
<td>Information Science</td>
<td>4:30</td>
<td>NS-004</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4:30</td>
<td>NS-205</td>
</tr>
<tr>
<td>Music/Ensembles</td>
<td>9:00 am</td>
<td>HM Lounge</td>
</tr>
<tr>
<td>Physics (PAF)</td>
<td>4:30</td>
<td>NS-206</td>
</tr>
<tr>
<td>Psychology</td>
<td>4:30</td>
<td>RC-217</td>
</tr>
<tr>
<td>Religion/Philosophy</td>
<td>4:30</td>
<td>RC-238</td>
</tr>
<tr>
<td>Social Work</td>
<td>9:00-10:00 am</td>
<td>RC-128</td>
</tr>
</tbody>
</table>

### ALUMNI ART EXHIBIT

Commercial and graphic design by Douglas Diedrich '80, Vice President of Studio Design in Indianapolis, Indiana.

### CAFETERIA LINE SERVING HOURS

<table>
<thead>
<tr>
<th>Day</th>
<th>Breakfast Time</th>
<th>Lunch Time</th>
<th>Dinner Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday</td>
<td>7:45 - 8:30</td>
<td>11:00 - 1:00</td>
<td>4:30 - 6:00</td>
</tr>
<tr>
<td>Saturday</td>
<td>7:45 - 8:30</td>
<td>(no service)</td>
<td>4:30 - 6:30</td>
</tr>
<tr>
<td>Sunday</td>
<td>7:45 - 8:30</td>
<td>11:30 - 1:00</td>
<td>4:30 - 6:30</td>
</tr>
</tbody>
</table>

### REGISTRATION INFORMATION

The registration desk in the Rediger Auditorium lobby will be open during the following hours:

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday</td>
<td>Noon - 8:15 pm</td>
</tr>
<tr>
<td>Saturday</td>
<td>8:00 - 1:00 pm; 4:00 - 8:15 pm</td>
</tr>
</tbody>
</table>

### Building Abbreviations

- DC: Hodson Dining Commons
- HM: Hermanson Music Ctr
- LRC: Learning Resource Ctr
- RC: Reade Lib Arts Ctr
- SU: Student Union

Greetings from the Homecoming Executive Cabinet!

We are planning a sensational Homecoming weekend, eagerly anticipating your arrival on campus. You are invited to this time of celebration because of our common bond—we are one in Christ, and neither time nor distance can sever this bond.

The Cabinet is attending to every detail to make this Homecoming a special weekend for you. So mark the dates on your calendar, make your reservations, and come join us for Homecoming '87!

We the People... One in Christ,

**Karen & Jamey**

Karen Pfister '88 and Jamey Schmitz '88
Student Co-Chairmen
Homecoming '87
ACTIVITIES FOR CHILDREN

Friday
Child care will be provided during the mini-courses from 12:45 - 5:15 pm at the cost of $1.00 per child per hour. Advance reservations are required. Further information will be mailed to you from the Office of Continuing Education.

Saturday
Taylor students will create "The Nutty Professor" for your children, ages 3-11, during the Alumni Brunch and the football game. In the Student Union Reading Lounge, transformed into a laboratory, they will enjoy various experiments, crafts, movies, and games.

Advance reservations are required for the morning session since it includes lunch. Children may be brought to the Reading Lounge at 10:15 am. Lunch will be served at 11:30 am, at a cost of $2.50 per child.

From noon until 4:30 pm your children may participate without reservations or cost. All children must be picked up by 4:30 pm.

AREA MOTELS

<table>
<thead>
<tr>
<th>Hartford City</th>
<th>Marion</th>
<th>Muncie</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mayor Manor Motel 317-348-1403</td>
<td>Broadmoor Motel 317-664-0501</td>
<td>Lee's Inn 317-282-7557</td>
</tr>
<tr>
<td>Marion Inn 317-664-9021</td>
<td>Marion Inn 317-664-9021</td>
<td>Signature Inn 800-822-5252</td>
</tr>
<tr>
<td>Sheraton Inn 317-668-8801</td>
<td>Sheraton Inn 317-668-8801</td>
<td></td>
</tr>
</tbody>
</table>

*Art by Jeff Barbee '88 and Doug Holst '88*
We want each student to graduate from Taylor University with complete understanding of the benefit of exercise and wellness lifestyle. Our desire is that a lifetime commitment be made to regular exercise, not because of scientific data alone, but also because God's word calls us to live wisely.

A second response to the fitness/wellness lifestyle by the Christian is not to overindulge. Many individuals, Christian and non-Christian, are so involved in the good feelings produced by exercise that they give such pursuits inordinate amounts of time. They make exercise their God. Relationships, families, jobs, Christian service have all been damaged by people who begin to worship their physical accomplishments. Here again, a correct interpretation of 1 Tim. 4:8 and an understanding of physical fitness as part of the wellness concept can help keep exercise in perspective. Once, a noted Christian fitness authority shared that he gained peace about this matter when he began to give time daily to his devotional life equal to that spent on exercise. This formula may not be appropriate for each individual, but the principle it suggests is clear.

Taylor University believes in "whole person" education and is continuously working to provide an environment where that will take place. The similarity between "whole person" education and wellness is obvious. It is no surprise that as an institution we are committed to providing education and opportunities in the area of fitness/wellness.

A first-year requirement of all students entering Taylor is completion of a general education course called "Fitness For Life." This class is taught by several members of the physical education department, but aside from differences in individual teaching styles, each section has the same substantive content, experiences and goals. Departmental ownership, and belief in the need for such a course, has led to a class based upon:

1) Data and knowledge substantiating the need for exercise;

2) Individualized testing and analysis of needs;

3) Regular appropriate exercise during the duration of the class.

The general class goals are to educate as to why exercise is important, how one can best meet personal needs presently, and the importance of a personal commitment to an intelligent and Godly active lifestyle in the future.

In order to facilitate active exercise on the part of each student, Taylor has progressively been developing a fitness room. The room is located on the second floor of Odle Gymnasium at the east end and is equipped with four Schwinn Air-Dyne exercise bicycles, two Nordic-Trak cross country ski machines, and a Concept II rowing ergometer. Each of the three types of equipment provides a means for aerobic work with good cardiovascular benefits, as well as upper body involvement for muscular strength and endurance. Students now have suitable options in addition to walking, jogging and cycling. The exercise expectation for each student is three to four days of aerobic exercise per week throughout the duration of the class, some or all of which may be performed in the fitness room.

In addition to the cardiovascular component, the Fitness For Life class also deals with muscular strength and endurance, flexibility, body composition, weight control, nutrition and diet, stress, and cardiovascular risk factors.

We want each student to graduate from Taylor University with complete understanding of the benefit of exercise and wellness lifestyle. Our desire is that a lifetime commitment will be made to regular exercise, not because of scientific data alone, but also because God's word calls us to live wisely. The net result will be a "well-equipped temple" -- a "living sacrifice" that is free of limitations imposed by a lesser lifestyle, and an active life that is lived "as unto the Lord." It is the Christian's response... not an option, but a responsibility.
Engstrom challenges '87 grads to prepare for 21st-century world

Ted Engstrom is very much a 21st-century man, for his concern lies with those who will run the world after the year 2000.

Addressing Taylor University's 323 graduates of the class of 1987, Engstrom spoke of challenges to be faced by Christians during the next two decades. Change will be effected most by those controlling information and communication, Engstrom stated.

"It will not be a world of the haves and the have-nots," he said, "but a world of the knows and the know-nots." Engstrom assured the graduates that they have an advantage. "Not one person in this graduating class is an ordinary person," he said. "We have the plus of God in us.

"There is power in the world available to you — there is the power of prayer." Engstrom added that the difference in the world's direction will be made by the students of today who serve the Lord on a daily basis in all they do during life.

Direction will be afforded their efforts, he said, for "God is always in the business of doing new things."

Challenges will abound, however; Engstrom listed the impact of the international drug market, the threat of terrorism and nuclear war, and the erasure of world hunger as primary challenges the graduates would face in their various avenues of work.

The world hunger problem is one that challenges Engstrom in his line of ministry. As president and chief executive officer of World Vision, Engstrom oversees the world's largest child-care agency. He is widely-recognized and highly-respected within the Christian community and management circles for his work with hunger relief, development projects and evangelism.

Engstrom has labored for World Vision since 1963; previously, he served with Youth for Christ International, eventually becoming president of the organization.

Senior James Davis (left) respectfully removes his cap for the benediction during commencement exercises. Entreating his classmates to "remember" all they had learned and experienced at Taylor University, Jim Wierenga's (below) brief but thought-provoking message was meaningful to not only the graduates, but all who attended graduation ceremonies.
and was also editor of *Campus Life* magazine. A 1938 graduate of Taylor University, as is his wife Dorothy, Engstrom was director of public relations and assistant to the president of his alma mater following graduation, then worked 11 years as book editor, editorial director and general manager of Zondervan Publishing House, the world’s largest religious independent publishing firm.

In his 70 years, Engstrom has viewed the world from many different angles; he has seen the need for the Christian to be aware of the world around him, and he has seen the need for the Christian to contribute to its well-being. Ted Engstrom has made a difference in the 20th century; now he’s intent on seeing today’s graduates make a difference in the 21st century.

“It is a challenging world out there,” Engstrom said, urging the graduates to uphold their spiritual values in the face of the humanistic values which will dominate their world. “There will be challenges ahead of you beyond description—but you can make a difference. Go for it; give it all you’ve got.”

### Future teachers recognized and honored by State of Indiana

Four students have been recognized by the Indiana Association of Colleges for Teacher Education (IACTE) for their outstanding work as future educators.

The four — Luci (Best) Bowman, Lori Kendall, Kara Lynn Stanley and John Stark, all of whom graduated in May — were honored at the first annual IACTE recognition banquet in May at the Ritz Charles, Indianapolis. Among the dignitaries present were Robert Orr, governor of Indiana, and Dr. Robert Dalton, deputy superintendent for the Indiana Department of Education.

Additionally, the Taylor University students attended a professional development seminar and luncheon the afternoon of the banquet.

One hundred and twenty students were chosen statewide by the 36 IACTE teacher training institutions as a representative sample of outstanding future educators. The program is funded by a grant from the Indiana Department of Education.

Bowman is an elementary education major from Soldotna, Alaska; Kendall is an English major from Upland; Stanley is an elementary education major from West Lafayette, Indiana; and Stark is a mathematics major from Kokomo, Indiana.

### Eliot Wigginton, *Foxfire* creator, shares with education majors

From out of the halls of Rabun County High School and onto the campus of Taylor University came Eliot Wigginton, creator and editor of the *Foxfire* magazine and book series, to address the campus and especially its education majors.

Wigginton presented a campus-wide convocation address and also spoke four times to groups of education majors on April 24. His visit was sponsored by the education department.

The nine-volume *Foxfire* series began as a project for Wigginton’s ninth and tenth grade students at Rabun County High School, Georgia, in 1966. A magazine continues to be published quarterly, and articles from the magazine make up the contents of the book series, which is published by Doubleday. Royalties undergird the work of the Foxfire Fund, Inc., a nonprofit educational corporation which Wigginton founded in 1966 and continues to direct today. The organization’s nine staff members operate out of both the high school and 27 historic log buildings that have been moved and reconstructed to form a year-round base of operations.

Recently, Wigginton was named one of four finalists for the USA public schools’ Teacher of the Year and appeared on NBC’s *Today* show. Dozens of honors have already come Wigginton’s way since he initiated the *Foxfire* series as a way of making learning practical for his students; additionally, he is a consultant to public schools from Maine to Alaska and has served, or is serving, on some two dozen boards and advisory councils.
Whipple plants seedling of cell biology research

For most people, recognizing a Siamese cat, an oak tree or a soybean plant is simple, based upon common, everyday experience.

A peek at the embryonic forms of these three vastly different items might prove to be somewhat more confusing. They all may look remarkably the same — just a mass of undistinguished and only slightly-organized material.

This is the world of developmental biology, also referred to as cell biology, molecular genetics, or biotechnology. At Taylor University these days, there is quite an active interest in this branch of biology.

Dr. Andrew P. Whipple is investigating the mechanism whereby unorganized plant callus tissue can give rise to plant embryos and ultimately plantlets regenerated from such humble beginnings. He and student researchers are using cells from soybeans (Glycine max) and their wild, weedy relatives (Glycine soja and Glycine canescens) in a quest with both theoretical and practical aims.

Once seeds sprout, small portions of the seedling are steriley excised; these are then placed in tubes of sterile culture medium which will support the growth of disorganized callus tissue. At this stage, it is possible to select cells with desired characteristics from the tissue, genetically alter other cells, or otherwise use the system to rapidly generate new forms of the plant — a process which would take years to achieve through standard breeding techniques, if it were possible at all.

Through manipulation, scientists can study the signals and controls the plant utilizes in embryo formation and development — information very important and as yet unattained in the study of plant physiology.

While soybeans resist the process of embryogenesis in culture tubes, some of the soybean’s wild relatives do not. Whipple believes the chemical signals these plants produce during embryogenesis accumulate in the culture medium; quite possibly, they could stimulate the process of embryogenesis in the soybean callus cultures. Success would be valuable in efforts to apply genetic engineering techniques to soybeans.

The biologist is also a carpenter; with a $1,500 grant from the Taylor University Fund for Faculty Scholarship, Whipple bought materials and built a 2600-cubic-foot growth chamber for the plant material as well as a sterile transfer chamber for manipulating the cultures under sterile conditions. Without this facility, there would be no research.

An additional $1,500 award has been granted toward the purchase of an orbital shaker — about one-half the sum Whipple needs for this piece of equipment which is necessary for continuation of the project. If he can find a matching amount for this step, Whipple feels he then will be in a position to successfully compete for significant outside funding — and his research at Taylor University will move into high gear.
Opera, orchestra, ballet headline '87-88 Performing Artist Series schedule

Music and ballet highlight another outstanding Performing Artist Series season planned for the 1987-88 school year.

Opera opens the season as Jerome Hines, basso with the Metropolitan Opera of New York, performs October 3, during Parents' Weekend festivities. Taylor University welcomes the Tokyo String Quartet to campus for the season's second performance on November 6.

Holiday celebrations are set for Christmas and Valentine's Day. On December 5, the River City Brass Band, often called the "Boston Pops in Brass," will present a musical event for the whole family, entitled "A River City Holiday," complete with a musical tale and Christmas carol sing-along. As Cupid unfolds his romantic magic, the Chicago City Ballet will do its part to enhance the mood with an evening of mixed repertoire on February 13.

The Series concludes March 14 with a concert by the prestigious Israel Chamber Orchestra.

The 1987-88 Performing Artist Series season ticket offers these five events at a significant savings over individual ticket prices and the convenience of assigned season seats. Seat charting begins September 8 for renewing ticket holders and September 14 for new subscribers; if you would enjoy the pleasure of this superb season, fill out the order form above and mail it, along with a self-addressed, stamped envelope, or hand-deliver it to the Season Ticket Office.

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### Season Ticket Order Form

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>City</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zip</td>
<td>Phone</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Season Ticket Prices** - Public: $24  
Groups, Senior Citizens: $12  
Taylor Parents, Alumni, and ID Card holders: $12

I enclose my remittance of $____ for____ season tickets at $____ each.

Seating -- Renewing ticket holders please indicate:
- Retain assigned seats_____  New seating choice_______
- September selection_______
- Deadline: September 11, 1987

New subscribers seating choice:____________________________
- September selection_______

Return to: Season Ticket Office, Taylor University, Upland, IN 46989

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Music scholarship fund established in memory of Elaine Miller Heath

Friends of the late Elaine (Miller '65) Heath have established the Elaine Heath Memorial Music Scholarship Fund. The fund is an endowed scholarship, meaning that alumni and friends may continue to support the award's growth through gifts to Taylor University designated for the fund. The scholarship was created by two of Elaine Miller's classmates, Jack Given of Valparaiso, Indiana, and Lynn Miller of Marquette, Michigan.

So far, nearly 100 people have donated to the fund, most of those from Heath's home area of Berlin, Ohio. The scholarship total stands at just under $6,000.

Elaine Miller, a music major, was active in choral groups on campus and played the piano for numerous activities, programs and functions. She married Onley Heath '66.

The Heaths actively supported Taylor University during the past two decades, bringing groups of high school students to Youth Conference each year. For a number of years, they directed a teen choir called "Teen Sing-Out," a group which travelled widely.

Elaine Heath died January 8, 1987, after undergoing surgery for a brain aneurysm. She left her husband Onley and two teenage sons.

The Elaine Heath Memorial Music Scholarship will be awarded annually to one or more full-time students who are music majors. The size of the award may vary depending upon the number of qualified applicants and the financial need of the selected recipients.

Persons interested in giving to the Elaine Heath Memorial Scholarship Fund may do so by sending a check to Taylor University designated for the scholarship fund.

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Members of the Class of '87

Please send your new address to the Alumni Office.

And let us know what you're doing so that we can tell your friends in our Class News section!
Although he was a standout basketball player while at Taylor University and is a member of the school's Athletic Hall of Fame, Roger Jenkinson has never entered the coaching ranks at the college level. His appointment to the NAIA Executive Committee in 1980 thus was something quite unusual, for the group is made up of coaches and athletic directors. Jenkinson (right) teaches geography and history at Taylor University.

Jenkinson guides NAIA through year of transition

A year at the top has come to a close for Dr. Roger Jenkinson, but there is still more work to be done.

Taylor University's professor of geography and history has spent his twenty-first year with the National Association of Intercollegiate Athletics at the helm of the organization, serving as president of the executive committee. Along with the title go leadership responsibilities: chairing the executive committee, coordinating the standing committees and the coaches' associations, and representing the NAIA with external organizations.

It is this last item of duty that sent Jenkinson to the House of Delegates of the United States Olympic Committee. As an organization which conducts national championships, the NAIA is allowed five delegates; Jenkinson is one.

As it was host for this summer's Pan Am games, Indianapolis was chosen as this spring's meeting site. The NAIA is one of 39 associations and national governing bodies which compose the USOC, which is the governing body for the Pan Am games, the World University games, the Sports Festivals, and of course the Olympics.

And even though he relinquishes his title of president this month, Jenkinson will continue to serve as an NAIA representative on the USOC. He will also serve one year as past president on the NAIA Executive Committee's administrative panel.

Jenkinson governed the NAIA during a year of transition; the newly-founded Council of Presidents was organized to co-exist with the Executive Committee, and it was Jenkinson's job to see that a smooth relationship was established. Also, responsibilities of the two groups had to be determined, centering on administrative and policy issues.

"I think as I reflect back, I feel very good about this year," Jenkinson said. "We were quick to credit new Executive Director Jeff Farris and Past-President Dave Olson of Pacific Lutheran College, Tacoma, Washington, for their excellent leadership, as well as members of the executive committee for their management." My evaluation is that this executive committee is one of the best the NAIA has ever had.

"For the first time in the history of the NAIA, we were able to achieve a comprehensive budgeting process. We also were able to tackle some of the issues that have been hanging on for years — issues that have either been swept under the carpet or ignored altogether." Jenkinson identified some of these issues to be development of drug and substance abuse policies at NAIA schools, creation of a development office and staff for fund raising, establishment of academic standards, evaluation of sports that require championships, and creation of divisions of competition.

Although he leaves the presidency, Jenkinson will continue to be very much involved with the NAIA. As a past president, he serves one year in an advisory role on the executive committee; he will be available for other assignments in following years.

Jenkinson's association with the NAIA began in 1966 when he was asked by Taylor's George Glass to serve as chairman of the District 21 Eligibility Committee. He was then appointed to the NAIA National Eligibility Committee in 1970 before being elected to the Executive Committee in 1980.

The Executive Committee's members are primarily coaches and athletic directors; Jenkinson is neither, and has never coached on the college level. He was a standout basketball player while attending Taylor in 1956-60, played two years of baseball and one year of golf, and is a member of the Taylor University Athletic Hall of Fame.
Steve Wertman (far left) fixes his gaze on the catcher's mitt; he was one of four workhorse pitchers for Taylor's 26-10 baseball team. One of the 6-18 softball team's two pitchers was Shannon Ford (left), who also hit .333 for the team.

Total concentration is a necessity when running the hurdle events; while Teresa Gollmar is barely over one hurdle (right), her full attention is riveted to the next obstacle in her path. The women's track and field team successfully defended its NAIA District 21 title and placed second in the National Christian College Athletic Association National Meet this spring.

A Taylor runner at the front of the pack in a distance race is not an unusual site, but five leading the way -- Kevin Roth, Jerry Gehrig, Jeff Peterson, Trent Mays and Mike Engler -- is a specialty. The track team won a second straight NCCAA title.

Board adds new members, chairman

Taylor University's Board of Trustees has added four new members and named a new chairman.

Dr. Carl W. Hassel of Southfield, Michigan, is the new chairman, replacing John McDougall. McDougall, who had been chairman three years, will continue to serve on the board.

"Value"
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God's personhood, and, thus, we transcend mere physical or functional descriptions of life. Our life has worth and purpose in spite of poor health, low I.Q. or old age. Being a person means communicating, relating, loving and creating. Our physical limitations rarely have to interfere with our personhood. Joseph Merrick, known as the elephant man, underneath a body horribly deformed by neurofibromatosis, struggled to live and reveal his personhood. Helen Keller, though shut in behind blind eyes and deaf ears, broke through into the world of personhood.

We also need to see human life as transcending both the physical and the personal, especially when we struggle for meaning in the presence of suffering. We need to see human life's spiritual dimension, in which we exist not merely for ourselves but as part of God's design. Meaning and joy and the celebration of life have to come from a larger perspective on life than an individual, isolated moment of life. A dedicated athlete does not draw meaning and joy from the excruciating moments of practice, but from the larger picture of future victory. To limit life's value to the now is to give life meaning only if we experience pleasure and no pain.

Joy and the celebration of life come not because of pleasure, but because there is a larger reality within which the pieces of life fit. The Bible teaches that there is a larger picture of life, described by Ecclesiastes 3 as our "lot" in God's design, that will contain both good and bad moments. Joy and celebration can even exist in times of suffering and strife, because our life draws its definition and value from beyond the present.

I have a strange, sad joy when I witness my children growing up and I realize that they will soon leave home. My joy is not a pleasure but a longing for that which I cannot keep, for the wholeness and fulfillment of life for which I was created. Both my good moments and my suffering moments are vivid pictures of my longing for the eternal. There is value to my living, especially in the most severe moments of pain.

Even the concept of death makes us think and hope beyond the present. The constant pressure of pain and suffering and the vision of our own death will not let us forget the hardest questions of our hearts. We have been given many years to search out what life offers, to test the meaning we have discovered, to read God's Holy Bible, to enjoy the innocent pleasures. Our questions of meaning come quite naturally from pained lips and aching hearts. The questions grow more frequent with age. Animals do not need long lives because they have no questions. But neither could they hear the answers. With us, over good times and bad, there is sufficient answer for living, if we would but hear it.

"Celebration"
from page six

for the next half hour, pinning them with pathos, peppering them with humor, and piercing them with thoughts, philosophies and ideas that have been battered and shaped by the trials of his profession like a castle of sand by the waves of the ocean. The surgeon's remarks became the basis for hours of stimulating discussion in classrooms and residence halls for the next weeks - discussions that drew students, faculty and staff into timely issues and helped them to define their thinking on those issues.

Before discussing the value of life, Barnard took several swipes at his own profession and society in general. "Do you know what is the most important disease in the world?" he queried his audience. "Malnutrition and starvation. I worked out that in 10 years I had operated on about 30 patients, trying to help them through cardiac transplantation. And in that same 10 years, 250 million children died from starvation and malnutrition. But because cardiac disease is a disease of the wealthy and the rich, this is the most important disease.

"The most important heart disease is not coronary heart disease," the surgeon continued. "The most important heart disease is rheumatic fever, because the most important heart disease in the Third World is rheumatic heart disease.

"Rheumatic heart disease is a preventable disease; starvation and malnutrition is a preventable disease. We cannot prevent coronary heart disease, and yet what do we do about those diseases we can prevent? We've got our sense of values totally wrong."

Before the convocation, Barnard had remarked on the irony of his fame as a heart transplant surgeon. He felt his most significant contribution to the medical world was in prenatal surgery; techniques and practices he helped to develop have saved or improved countless more lives than all transplant surgeries combined.

Cutting to his topic's heart,
"So often you see today, with the modern technology that's available, that the doctor's whole goal is not to improve the quality of life, but to extend the existence of the patient. I've realized that it's the duty of the doctor to try and give or restore to the patient something which he can celebrate about so that there is again a joy in life -- that the goal of medicine is not to prolong life, but that the goal of medicine is to improve the quality of life." -- Dr. Christiaan Barnard

Barnard challenged his Taylor audience to define what life is before placing a value on life. He then related a tale that established his personal definition of life.

The scene was a children's ward, and Barnard told how two youngsters had commandeered a breakfast trolley. It became their grand prix racer, and the corridor became their track. The trolley had two sections; at the bottom sat the driver, steering the trolley with his legs, and behind ran the mechanic, head down, propelling the cart down the hall.

"Unfortunately, the driver didn't maneuver the trolley well enough, and they ended up going into the wall, and of course the cups and saucers ended on the floor and broke," Barnard said. "That was not very popular with the attending nurse; she put them both to bed and scolded them.

'I walked into their room and looked at the mechanic and the driver. The driver had only one arm; I knew him quite well, as I had operated on him because he suffered from Tetralogy of Fallot (congenital heart disease). We corrected that, then some time later we saw him again, and he had sarcoma of the humerus, which is a very malignant disease. Unable to help him, they had to do a forequarter amputation -- they had to remove the whole arm, plus the shoulder girdle.

"He was the driver. He was laughing and telling me it was not his fault that they had the crash; it was the fault of the mechanic, who didn't put on the brakes when he told him.

"The mechanic was a little boy I did not know, but at that time, he was really a picture of horror. He grew up in a very poor home; his mother and father came home drunk one night and had an argument. The mother threw a paraffin lantern at the father, but it ended on the boy's head and burst. The boy developed third-degree burns of the whole head, and both his eyes were burned out -- he was blind. At that stage, he had a big tube grafted to his nose to try and reconstruct the nose. He was squinting like somebody who is blind, but he argued that it had been totally unnecessary to stop the race, because a few cups didn't matter very much -- and he did believe they had won the race.

"And I realized all of a sudden that life is the joy of living; that is what it is," Barnard continued quietly. "It is really a celebration of being alive. You see, what they taught me was that it's not what you've lost that's important; it's what you have left that's important. But I qualify this: There must be a joy in living. There must be still enough left so that there can be a celebration. You can't celebrate nothing; there must be something to celebrate."

Just as he had asked his audience to define life, Barnard indirectly asked them to define death. "If there is the presence of a heartbeat and the presence of respiration, without that individual's being able to make any communication with his surroundings, or get any pleasure from his surroundings, or emit anything that gives pleasure to his surroundings, is that God's idea of life?" Barnard asked. "I don't think so.

"So often you see today, with the modern technology that's available, that the doctor's whole goal is not to improve the quality of life, but to extend the existence of the patient," Barnard continued. "I've realized that it's the duty of the doctor to try and give or restore to the patient something which he can celebrate about so that there is again a joy in life -- that the goal of medicine is not to prolong life, but that the goal of medicine is to improve the quality of life."

With that, Barnard moved into the last of several tales he had used as the basis for his remarks. The heart surgeon told of Eli Conn, a patient admitted to a hospital with multiple organ disease, carcinoma, and emphysema, among his many ailments. Conn told the doctor that he didn't want the staff to extend his life in any way; the doctor responded that hospitals don't just allow people to die.

"And Eli Conn said, 'But doctor, what is wrong with dying,' " Barnard related. "'We all have to die. The only certainty of life is death, and life would not have been able to continue on this earth if there was no death, because through death you get a better life, an improved life.'"

As the weeks went by, tubes went into Eli Conn's bowel to inflate it and into his lungs for artificial respiration, and monitors were placed all over his body. The man in the bed beside him, suffering from terminal cancer, arrested, only to have his heart shocked back to life by a coronary care team. "You know, those people know nothing about the patient's illness; they know nothing about his history," Barnard said, sidetracking his tale for a moment.

"What's the sense of starting the heart of somebody with terminal cancer? But that's their duty, to restart the heart, and when they've
restarted the heart, they put themselves on the back and leave that man to continue in his agony."

Finally, Barnard told his hushed audience, Eli Conn had had enough. "During the night, with the strength he had left, he managed to disconnect the respirator himself. But before he died, he wrote a note to his doctor. It said: 'Doctor, the real enemy is not death; the real enemy is in humanity.'" "I want you to think about that. Death is not the enemy to the doctor. If he values life, then death is not the enemy.

"It's strange to think that the doctor should prevent death. Death is often good medical treatment, because death can achieve what all of medicine cannot do: it can stop the suffering of that individual.

"So I think one must realize that, as a doctor, if you value life, your goal must be not to prolong life; your goal must be to always provide something to that patient that he can celebrate - provide something so that life can be the joy of living.

Barnard concluded with a poem by R.L. Sharpe:

Isn't it strange that princes and kings
And clowns that cover in sawdust rings
And common people like you and me
Are builders for eternity.

Each is given a bag of tools,
A shapeless mass, a book of rules.
And each must make -- ere life is flown --
A stumbling block or a stepping stone.

Dr. Christian Barnard, heart transplant pioneer, left Taylor University's convocation to the thunderous roar of a standing ovation.

What remained, though, were challenging thoughts and ideas of a man who has held a beating human heart in his hand, who has performed corrective surgery on an infant pulled from the mother's womb, and who has seen suffering and death in the faces of thousands. These thoughts and ideas, then, became the food of discussion and debate, of agreement and of criticism, that

Taylor University's campus community had the opportunity to taste and digest for weeks to come.

They became the source of exploration and learning, offering students, faculty and staff alike a splendid opportunity to define their thinking on matters of great importance to all people.

Class News

'31
Rev. Kenneth Hoover has, in his 80th year, retired for the third time in his career. His most recent assignment was as minister of program and Christian education at the Willowbrook United Methodist Church of Sun City, Arizona. In April, he and Irene (Witmer) Hoover '41 went to Pennsylvania where he officiated at the wedding of his grandson. In May he underwent surgery and is recuperating at his home in the Catskill Mountains with the nursing skill and TLC of Irene. Their summer address is RR 1, Box 126, Hobart, NY 13778.

'37
Dr. John & Ruth (Imler X40) Vayhinger live on the back side of Pike's Peak in Colorado. Their son Jack '71 and his family live in nearby Woodland Park where Jack is a wildlife biologist for the State of Colorado. Daughter Karen Kuper X74 is a pediatrician in Holland, Michigan. Home address for John and Ruth is 119 Illini Drive, Woodland Park, CO 8063.

'42
Dr. O. Carl Brown is a professor in the department of correspondence studies at Fort Wayne Bible College. He and wife Martha (Gerber X43) spent 20 years as missionaries in Haiti, and Carl retains the title of dean emeritus, Learning Center for Haitian Languages and Culture, Port-au-Prince, Haiti, W.I. The couple lives at 9057 Thiele Road, Fort Wayne, IN 46819.

'52
Rev. Ray Snyder had heart bypass surgery in April and is recovering very well. He plans to continue his ministry as pastor of Christ United Methodist Church in Newcomerstown, Ohio, and would be pleased to have contact with friends from Taylor. His address is 654 Beaver Street, Newcomerstown, OH 4383.

'56
Dr. Joseph Grabill is participating this summer in a Japanese studies institute in San Diego, California, sponsored by the American Association of State Colleges and Universities and the Japan-U.S. Friendship Commission. Joe has been a member of the history department faculty at Illinois State University since 1968. His home address is 21 Knollcrest, Normal, IL 61761.

'64
Rev. Tom Allen preached to an overflow crowd on Easter Sunday as he led the first service in the Des Moines First Federated Church's new 4,200-seat building. Largest church building in the State of Iowa, the facility has a total of 262,000 square feet of floor space. Tom has been the church's pastor for 17 years.

Dr. David & Marella (Minsky) Mays are living in Wheaton, Illinois. After 15 years in research and management with Bristol Myers, David returned to school and obtained an MA in biblical studies at Wheaton Graduate School. He now works for the Association of Church Missions Committees, a transdenominational network of more than 500 churches working together to strengthen and multiply their missions outreach. David is available to work with churches in Illinois, Indiana, Ohio and Michigan. The couple's home address is 418 Western Avenue, Wheaton, IL 60187.

'68
At the May 1967 banquet of Ball State University's Handicapped Services department, Jere Truem was presented the 1987 Outstanding Alumnus award for outstanding achievement. Jere earned the MS degree from Ball State in 1981. His address is 313 West Berry Street, Upland, IN 46989.

'76
Keith & Glynis (Marlatte) Thompson have moved to the State of Washington where Keith is general manager of the Hartford Insurance Group's Pacific Northwest regional office in Seattle. Keith is the youngest general manager in the company, as well as being a corporate officer. The couple's address is 12416-169th Avenue NE, Redmond, WA 98052.

'77
Tom and Eunice (Hamblen) Branch and family live in Vermont where Tom is pastor of the Waterbury Alliance Church and Eunice teaches kindergarten. They have two children: David, born January 3, 1985, and Sarah, born July 30, 1986. The family's address is 27 Randall Street, Waterbury, VT 05676.

Last October, Debra Mast received the Certificate Property Casualty Underwriter (CPCU) designation from the American Institute for Property and Liability Underwriters. She is property underwriting researcher manager with The Signature Group in Schaumburg, Illinois. Debra welcomes letters from friends. Her address is 17550 Wentworth, Lansing, IL 60438.

'78
Paul Brown and wife Mai have moved to Dundalk, Maryland, where Paul is senior pastor of the Dundalk Presbyterian Church. Paul and Mai have two children, Aaron (3) and Bethany (9 months). Their new address is 1969 Merritt Boulevard, Dundalk, Maryland 21222.

'80
Kimball Johnson has received her MD degree at Emory University School of Medicine in Atlanta. She will remain at Emory for her three-year residency in internal medicine. Her address is 516 Sydney Street, Atlanta, GA 30312.

'83
In March, Steve Nygren received his company's award for technical merit and achievement. Steve is a systems analyst with
Nalco Chemical Company in Naperville, Illinois, and received an MA in information systems from Aurora College in May. Wife Marsha (Brinson) is in consumer research in the catalog division of the Spiegel Company. The couple lives at 30 W 177 Allister Lane, Naperville, IL 60540.

'84
Mark Breederland received the master's degree in environmental science in May from Miami University of Ohio. He is a water resource specialist for Northwestern Michigan Regional Planning, directing a $48,000 study and action plan development for nonpoint pollution control on a river basin in that region. He is a Sunday School teacher and college/career group leader at Bible Baptist Church, and this month is going on a Wandering Wheels trip to Maine. His address is 824 West Seventh Street, Traverse City, MI 49684.

Jenny (Rarick) Pannabecker was selected as April Employee of the Month at the Cayelor-Nickel Clinic in Bluffton, Indiana, where she is a patient representative. Jenny's first association with Cayelor-Nickel was as an intern in medical social work which led to a permanent position after her graduation. Her husband, Darrell, is a computer programmer. They live at Apt. 7434-A, Mill Run Road, Fort Wayne, IN 46819.

Marine 1st Lt. Scott R. Taylor recently reported for duty with Training Squadron 23 based at Naval Air Station, Kingsville, Texas. Scott joined the Marine Corps following graduation from Taylor.

'86
Jeffrey T. Schaffner has been hired by Richard C. Lugar, U.S. Senator from Indiana, as a legislative correspondent on Lugar's Washington staff. Jeff interned in the fall of 1985 with Lugar's Washington office; during the past year, he has worked for U.S. Senator Phil Gramm of Texas.

Weddings

Wendell W. "Pepper" Godd II '76 was married to Anne E. Angeney/coordinator at Bible Baptist Church in Elkhart, Indiana. Taylor friends in the wedding were Carla (Stump '79) Butcher, Brian McEachern '77, Roland Johnson '76; Rev. Kevin Butcher '76 made it all legal. Pepper has been in law practice with his father for six years; Anne, a Christian Heritage College graduate with an MS in home economics from Purdue University, is director of Northwest Indiana Vocational Educational Consortium. Pepper and Anne live at 2617 Knollwood Drive, Crown Point, IN 46307.

On June 13, Amy Yordy '81 married Monte Shanks, a student at Dallas Theological Seminary preparing for ministry to single adults. After five years of teaching physical education in St. Petersburg, Florida, and one year as a teaching specialist in Cornell, Illinois, Amy now teaches in Dallas. The couple's address is 3909 Swiss Avenue #1386, Dallas, TX 75204.

Karen Wittig '82 married Christopher Kemp on August 8 at Bent Creek Baptist Church, Asheville, North Carolina. They live at 156 Rumbough Place, Asheville, NC 28806.

David Murray '82 and Connie Knight were married May 22 with David's father, Rev. Herschel Murray, officiating. Mark Nussbaum '82 was best man. Connie works for the Hartford City, Indiana, News-Times, and David is afternoon announcer on WCOM in Marion. Residing with them at 1215 North Maple Street, Hartford City, IN 47348, is Connie's 16-year-old son, T.R.

On October 4, Suzanne Geney '84 married Charles McIntyre in Randolph, New Jersey. Sue is a laboratory technologist doing kidney research. Chuck, a graduate of Randolph-Macon College, works for AMTRAK. The couple lives at 5607 Tumbleweed Circle, Richmond, VA 23228.

Since their marriage on September 20, Michael Willis '85 and wife Patricia have made their home at 4675 Hunt Club Drive, Apt. 18, Ypsilanti, MI 48197. Patricia works for a General Motors director as a cost accountant, and Michael is a project manager for Motorola. People in their wedding party were Larry Walker '84, Holly (Eigner '85) Walker, Pat Mulligan '86, Jon Zier '86, Ana Schneider '85, Glenn Tower '85, and officiating minister Dr. Bill Sturgeon '74.

Sarah Meier '86 and Scott Wagoner were married December 20 in Archbold, Ohio. Included in the wedding party were John Meier '80 and Andrea (Price '84) Preisler. Sarah is librarian at Fort Wayne Christian School, and Scott is Christian education director for the Evangelical Mennonite Church Conference. This month they will move to the Chicago area where Scott will complete his master's degree at Trinity Evangelical Divinity School.

Tammy Rinard & Andrew Lee, both '87, were married May 27 in Farmland, Indiana. The groom's parents are Dr. John '61 & June (Yamauchi '59) Lee. Other Taylor people in the wedding were: Angie Hafstead '88, Kathy Jones '87, Bob Zentz '87, Curt '87 & Jana (Saatoff '87) Smith, Jamie Davis '87, Joan Macleish '87, Judi Gibbons '88, and officiating minister Scott Wagoner '85.

Ruth Meier '87 married Kenneth R. Wilson on July 31. Completing her BSN degree at Grandview College, Ruth has been employed as a registered nurse at Mercy Hospital in Des Moines, Iowa. The couple's address is 2050 SE King, Apt. 17, Des Moines, IA 50320.

Births

Herb Shaw '69 and wife Sue Ann are happy to announce the birth of Jennifer Lee on September 22. She joins nine-year-old sister Lisa and their parents at 2944 Yoakam Road, Lima, OH 45806. Herb is presently employed as treasurer of Western Ohio Truck Co., a truck sales dealership in Lima.

Randal and Debbie (Wolgumenth '77) Birkey welcomed Marshall Monroe on February 24. At home were Taylor (4) and Noel (1). The Birkeys live at 635 South Home, Oak Park, IL 60304.

Forrest and Janet (Wieland '77) Butterfield are the proud parents of Emily Rae, born April 24. Emily, her sister Meghan (2), and their parents live at 22618 Red Arrow, Mattawan, MI 49071.

Born to John and Diane (Belling '77) Marshall on June 23, 1986, was Adam Christopher. Adams brother Justin (3) and parents live at 3901 Calle Alte Vinta, Newbury Park, CA 91320.

Ren Neuenwander '77 and wife Carol are pleased to announce the birth of their second child, Caron Elaine, on March 14. Brother Robert James is 3. The family lives at 2130 Embassy Drive, Fort Wayne, IN 46816.

Karl '78 & Julie (Merchant '77) Smith announce the birth of their third child, Koby Loren, born May 6. He joins sisters Kasey (5) and Shelby (4). Julie has taught high school math for 10 years, but plans to take a year's leave of absence beginning this fall. Karl is a certified financial planner. Address for the Smiths is Box 37, 1 Hillside Drive, Bridgman, MI 49106.

Bob '77 & Janet (Carley '78) Spence announce the birth of Carley Ann on May 5. Bob is an assistant state's attorney in DuPage County, and Janet is on leave of absence from her teaching position. Their address is 126 North Van Buren Street, Batavia, IL 60510.

Ashley Marie was born April 3 to Ginny and Tim Hawkins '78. She joins Melinda (7), James (5) and Christy (3). Tim is vice president of financial/administrative services for a fundraising company. Ginny is a busy homemaker who, in addition, is homeschooling the children. The Hawkins family lives at 4063 Johns Street, Lilburn, GA 30047.

Gene '77 & Laure (Smith '78) Pashley are happy to announce the birth of Ellen Marie on March 29. Gene, Laure, Ellen, Christopher (4), Jenna (6) and Anna (2) recently moved to RR 4, Box 479, Spencer, IN 47460.

Gary and Nan (Kennedy '78) Smith announce the birth of Morgan Elizabeth on May 13. Morgan, her sister Heather (4) and parents live at 220 E. Maywood, Morton, IL 61550.

Craig and Vicki (Olmsdahl '78) Vieguth are happy to announce the birth of Abigail Anne on January 24. Abigail, brother Dayton (4) and parents live at 14 Dunbar Street, Chatham, NJ 07928.

Charlie & Mary (Spencer) Humbard, both '79, are happy to announce the birth of Sarah Marie on December 30. Sarah joins her two brothers, Caleb (3) and Joel (2). The family lives at RD 6, Box 133, Red Lion, PA 17356.

A second child, Amanda Nicole, has been born on March 7 to Mike and Denise (Gehrke '79) Lane. Amanda, Heather (3) and their parents live at 311 S. Chicago Avenue, Kankakee, IL 60901.

Trevor & Debbie (Frank) Tipton, both '79, proudly announce the arrival of Jordan Rebekah, born May 4. Jordan joins sister Drew.
Elizabeth (3) Trevor teaches fourth grade and coaches at Central Noble. Debbie, who has been teaching kindergarten, is on leave to be with the children at home. The family's address is 207 West Highland Street, Albion, IN 46701.

A daughter, Whitney Erin, was born April 29 to Newell X74 & Colleen (Frank '80) Cerak. Whitney's sister, Carly Rebecca, is 2. The Ceraks live at 126 West Wright Avenue, TUMS, Upland, IN 46999.

Neal & Trish (Dial) Smith, both '80, excitedly and thankfully announce the birth of their daughter, Whitney Noel, who arrived December 22. She joins brothers Britton and Grant, age 4. Trish is busy as a homemaker and working part-time at Neal's dental office, as well as joining Neal as high school sponsor at their church. The family's address is 9743 Baldwin Wood, Bridgman, MI 49106.

Ryan Scott was born to Scott and Carol (Lowery '81) Anderson on April 21. Ryan joins sister Erica Christine (2). The Anderson family has been serving with TEAM in the United Arab Emirates since 1982. They will return to the U.S. in October to pursue further studies. Their stateside address will be 1647 Lindenhall Drive, Loveland, OH 45140.

Dan and Linda (Harlan '81) Barrett and daughter Alceya Cristal (3) welcomed Gabriella Ruth to the family on April 20. They live at 1031 South 8th Street, Terre Haute, IN 47807.

Philip '82 & Martha (Collins '81) Cook were blessed with their firstborn, Rachel Ann, on March 25. Phil is a communications specialist for American Trans Air, Inc., and Martha is on maternity leave from her position at a local elementary school. The Cooks reside at 4879 Fairway Drive, Plainfield, IN 46168.

Thom and Peggy (Kendall) x28 DeWaele are pleased to announce the birth of Andrew Thomas on April 27. Andy, Nathan (3) and their parents live at 233 North Opio Place, Kiel, WI 54240.

Ken and Cathy (Endean '82) Glupker are the proud parents of David Eric, born January 25. The family's address is 630 Azalea, Holland, MI 49423.

Zachary Gunnar was born January 7 to Kelly & Wendy (Soderquist) Koons, both '82. Kelly is a middle school physical education teacher and coach in the Mississinewa School Corporation, and Wendy is assistant to the director of residence life/director of off-campus housing at Taylor University. Each summer they run a bike ministry in Colorado for junior high and high school youth. The family lives at 4556 E 100 N, Marion, IN 46952.

Grace Allison was born March 6 to Jeff Marshall '83 and wife Gail. Jeff graduated with an MDiv degree from Duke Divinity School; he was ordained a deacon in the North Carolina Episcopal Diocese of the United Methodist Church in May of 1985. Jeff and Gail, along with children Grace, Nichole, Leah, Jacob and Seth, live in Wabash, Indiana, where Jeff serves as full-time pastor of the Church of Our Saviour United Methodist Church and youth minister at First United Methodist Church. The family's address is 1950 Vernon, Wabash, IN 46992.

Douglas '83 & Kimberly (Wesbrook '82) Willman announce the birth of Kaley Faith on January 30. Doug is a commercial mortgage banker for First Interstate of Atlanta, and Kim, a former elementary school teacher, is now at home with Kaley. The Willman family resides at 4747 North Spruce Road, Kennesaw, GA 30144.

Randy & Nancy (Erickson) Brannen, both '84, are thankful to God for twins with a blessing. They are both part of a team of 600 in the Phoenix area. They are now home in Phoenix. This is a dramatic change for them, as they have been living and working in Phoenix for the past 15 years. They are excited to be back in Arizona with their children, Taylor, 4, and Anna, 2.


Deaths

Gertrude (Jackson '28) Rupp died May 10 in Archbold, Ohio. Gertrude was the widow of Erio Rupp '27.

Lois Comstock, wife of Jim Comstock '52, died December 13 after suffering a heart attack in June. Her children who attended Taylor University are: Dr. Barton '66 & Marilyn (Stucky '66) Comstock; Rev. Jay '77 & Shirley (Lee '77) Comstock; Brooke (Comstock '76); Branser; Jay '77 & Paige (Comstock '77) Cunningham. A loving wife to Jim for 43 years, Lois is missed by her, their six children and their spouses, and 18 grandchildren.

Judy (Howard '64) Crandall, wife of Rev. Robert Crandall, a Free Methodist minister, died April 27 of complications arising from her two-year struggle with cancer. Judy is the daughter of Art '34 & Esta (Herman '36) Howard, and taught physical education at Taylor for several years before her marriage. Two memorial services were held – at the first one in Salem, Oregon, the meditation was delivered by Dr. David LeShana '53; at the second in Wilona Lake, Indiana, George Class '58 spoke as a representative of Taylor University.

Global Taylor

In September, Eileen Lageer '49 will return to Africa to teach at one of her perennials for Sierra Bible College in Freetown, Sierra Leone. This will be her first visit to Africa since she returned from Nigeria in 1974. In the four years following her return, she researched and wrote a history of the Missionary Church, Merging Streams. Since then she has been teaching missions courses at Emmanuel Bible College, Kitchener, Ontario, Canada, where she will return for next spring's term.

Margaret Bash '56 returned home on furlough this month from her work with Child Evangelism Fellowship in Vienna, Austria. She is available for meetings. While on furlough, she may be reached through CEF Inc., Box 548, Warrenton, MO 63383.

Phyllis Engle '58 is in her third year with Brethren in Christ World Missions in Zambia. She is librarian in a college which trains elementary teachers. In addition, she teaches a Good News Club and teenagers’ Bible study. Her address is David Livingston Teacher Training College, Private Bag 1, Livingston, Zambia, Africa.

Gary & Sherryl (Hatton) Bowman, both '65, and their children, Cristina, Daniel and Paul, return to the States this month from Madrid, Spain, where they have ministered with TEAM for the past 19 years. Their new assignment is in the foreign area secretaries Department of TEAM in Wheaton, Illinois. New address is Box 493, Waterman, IL 60556.

Four years after her return from Iran, Jaya, an interim during which she worked at TEAM headquarters in Wheaton, Illinois, Pat Moore '69 is embarking on another ministry in Baja, Mexico. Her language study extends to May, 1988, with expected departure for Mexico soon thereafter.

David Brown '72, wife Janet, and their baby son Jonathan returned to the States in July for a year’s furlough from their work with Arab World Ministries in England. Their stateside address is c/o King Brown, 921 West Street, Winston-Salem, NC 27101.

Harold '75 & Nancy (Shapson '76) Lund and family are completing a nine-week furlough from their teaching at Alliance Academy in Quito, Ecuador. They write that the past year has been an eventful one, with the kidnapping of their President and a series of earthquakes; but it has also been one of great blessing and growth. Their Ecuador address is Alliance Academy, Casilla 6186, Quito, Ecuador, S.A.

Harold and Erin (McConaughey '78) LaMar and family are ministering in Jamaica at the Friends Church and Trelawny Infirmary. They are being sponsored by the Light of the World Tabernacle in Port Richey, Florida. Their mission address is Duncans P.O. Box 421, Rawalpindi, Pakistan.

Barb Stedman '80 leaves for Pakistan this month to serve with TEAM missions. She will be there for one year to teach English to Afghan refugees. Barb is leaving Marion College, Marion, Indiana, where she has taught English for three years and also served as director of publications. Her new address is c/o TEAM, P.O. Box 421, Rawalpindi, Pakistan.

Diane Stocksdaile '85 leaves this month for a two-year appointment to teach math to missionary children and nationals at Rift Valley Academy in Kenya. She will serve under the auspices of Africa Inland Mission.
The naming of a vice president has created shifts in several positions this summer. Wynn Lembright, dean of admissions since 1983, has been appointed Vice President for Student Development and Services. With this appointment, Taylor University merges two of its student service programs -- student development and admissions -- under one leadership position. Consideration is being given to further expansion of the vice president's responsibilities as other areas related to student life are identified and assessed.

Walt Campbell, formerly dean of career development, has been named Associate Vice President for Student Development. A 1964 Taylor University graduate, Campbell has served his alma mater since 1969 as dean of career development, associate dean of students and assistant professor.

Taylor University's student development program has gained nationwide recognition for its progressive role in establishing orientation, leadership and service activities for college students. As associate vice president, Campbell will oversee the student ministries, career development and student development areas.

With Lembright's appointment as vice president, Herb Frye was promoted to dean of admissions. Frye, a 1980 Taylor University graduate, was formerly assistant dean of admissions. Joyce Helyer has been named campus visit coordinator to fill Frye's opening; she has served since 1985 as executive secretary in the Office of the President. A graduate of Biola University with a degree in speech and Bible, Helyer is the wife of Larry Helyer, associate professor of religion at Taylor.

Lembright is a graduate of the University of Toledo; he holds the master of divinity degree from Asbury Seminary and the master of theology in pastoral psychology from Princeton Theological Seminary. He worked four years in Eli Lilly's Management/Corporate Training program and 11 years as Eastern Regional Director of the Fellowship of Christian Athletes before joining the Taylor University staff.
Looking ahead is the task at hand for the newly-formed President’s Strategic Planning Council.

The function of the council is to give Taylor University the best possible input from internal and external constituencies in projecting plans for the future. The council will be comprised of nine voting members, including Roger Jenkinson, professor of geography and history, who will chair the council.

Faculty members selected to serve on the council, along with Dr. Jenkinson, are: Dr. Oliver Hubbard, associate professor of communication arts and director of theatre; Robert Gortner, associate professor of business; Dr. Mildred Chapman, professor of education; and Dr. Stanley Burden, professor of chemistry and physics. Administrative staff members named to the council are George Glass, associate vice president for alumni and institutional relations; Robert Hodge, director of information systems and services group; and Carmen Taylor, director of records. Student member for the 1987-88 year will be senior Dina King.

President Jay Kesler, who formed the committee, will serve in an ex officio capacity along with the vice presidents and one student who will serve as observer.

"I believe this council will have great and long-range importance to the future of Taylor University," Kesler said. He added that the council should not be viewed as a contingency task force nor a short-term response to specific pressures.

"We want, in the most objective manner, to determine where we are at the present time in relation to people, programs and resources," Kesler said. "We want to take the long view as to the shape and definition of our future. Then we can begin to put into place vehicles to enable us to achieve our vision in the most intentional manner rather than be victim of reactive, piecemeal, short-term solutions to immediate environmental stresses."

Jenkinson has called the council together this summer in order to establish the structure under which it will function. Ideas and suggestions should be communicated to members of the council so that both the formal and informal data collection process can take advantage of the greatest possible insight.