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ROSE POLY and ME A Memoir

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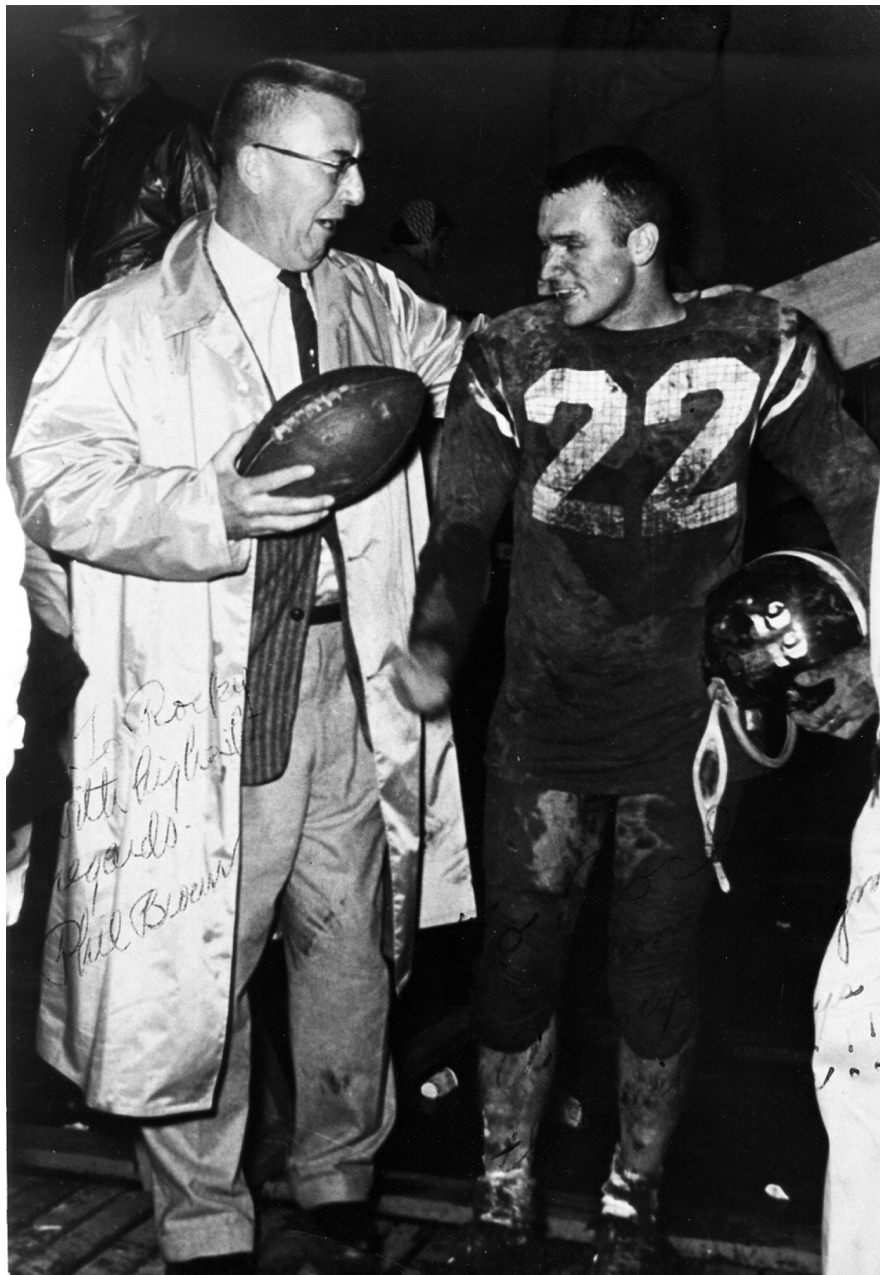
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ROSE POLY and ME

A Memoir

by

CARL T. (ROCKY) HERAKOVICH



Carl T. Herakovich

Rose Poly and Me - A Memoir

Author discusses his time as an engineering student and football player (1955-59), and then football coach, track coach, athletic director, instructor and then assistant professor of civil engineering at Rose Polytechnic Institute (now Rose-Hulman Institute of Technology) (1962-64).

As a football player in 1958, he led the nation in scoring with 168 points in 8 games. Sixty-two years later, the 168 points continues to be the record for points in a season by an Indiana college football player.

His 21.0 points per game were the national record for thirty years (1958-88) until broken by Barry Sanders of Oklahoma State.

In 1957 and 1958, the Rose Poly football team won fifteen games in a row over two seasons while the defense held opponents to 5.4 points per game. In 1958, the team led the NCAA Division II in defense holding opponents to 95.8 yards per game and a total of 31 points (3.9 points per game).

As the football coach, he rescued the team from a disastrous previous year in which the team lost all of its games and scored only six points.

The author concludes with his afterthoughts on his alma mater after a career of more than 60 years in engineering education.



Rose Poly and Me

A Memoir

by

Carl T. (Rocky) Herakovich

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Herakovich, Carl T.
Rose Poly and Me / A Memoir / Carl T. (Rocky) Herakovich

ISBN 978-1-7345436-1-2

Books by the Author:

Mechanics of Fibrous Composites (Wiley 1998) ISBN 0-471-10636-4

Mechanics IUTAM USNC/TAM (Springer 2016) ISBN 978-3-319-32311-4

A Concise Introduction to Elastic Solids (Springer 2017) ISBN 978-3-319-45601-0

Rose Poly and Me (Apple 2019) ISBN 978-1-7345436-0-5. (eBook)

Printed by Poole Printing Company, Raleigh, NC

In appreciation to:

My Coaches:

Ray Gallivan	}	Whiting High School
Henry Kosalko		
Steve Fowdy		
Phil Brown		Rose Polytechnic Institute

My Teammates at:

Whiting High School
Rose Polytechnic Institute



Carl T (Rocky) Herakovich
photo by Christian Romero (EA Photography)
November 7, 2019

Favorite Quotations:

"Nothing happens unless first a dream"
Carl Sandburg

*"Oh, but a man's reach should exceed his grasp,
or what's a heaven for?"*
Robert Browning

*"Where there is much desire to learn, there of necessity will be
much arguing, much writing, many opinions: for opinion in good
men is but knowledge in the making."*
John Milton

*"Perhaps the most incomprehensible thing
about the world is that it is comprehensible"*
Albert Einstein

"I like the dreams of the future better than the history of the past"
Thomas Jefferson

Preface

I often wish that I knew more about my grandparents Peter and Hattie Herakovich, and Daniel and Catherine Buckley. I write this history of my time at Rose Poly (formerly Rose Polytechnic Institute, now Rose-Hulman Institute of Technology) so that it will be available for my children, grandchildren and their heirs, the Rose-Hulman community and the public at-large. In my youth, I was often referred to by my nickname, Rocky, as were many in the large Herakovich family. I will use that name often when referring to myself in the following.

This book is a personal account of memories, with help from a scrapbook that I compiled during football seasons, my copies of Rose's yearbook the *Modulus*, and *Rose: The First One Hundred Years* by John Bloxsome. I accept the fact that my memory is faulty at times. The late 1950s was not a time for detailed record keeping of athletics at Rose - indeed, I have been told that when coach Brown retired after my senior year, he burned a lot of his records in the parking lot outside his office. I don't know if that is true or just one of those stories that got passed along. I know that I am the only senior from the 1958 team still alive, and I know that many underclassmen from that team also have passed on. This history includes many photos because I am a visual person; I like to have a better sense of a person or thing that I am reading about.

Acknowledgements

I owe a great debt of gratitude to my parents John and Julia Herakovich, my teammates, my coaches Ray Gallivan, Henry Kosalko and Steve Fowdy at Whiting High School in Whiting, IN, and coach Phil Brown at Rose. The photos in this history were obtained from a variety of sources. Some were from the 1958 and 1959 Rose Modulus. The photos of the final game of the 1958 season at Earlham were taken by Bob Crisp, a good friend and Rose classmate. The Terre Haute Tribune-Star also deserves recognition for photos from newspaper clippings; unfortunately, the original photos are no longer available. Ryan Roberts of the Rose-Hulman Library provided several items and Coach Jeff Sokol sent pictures of the Earlham game ball. John Katzbeck, student manager of the football and track teams that I coached, assisted with identifying members of my teams. The photo of Wilbur Shook was supplied by Matt Mayol of Odle McGuire Shook Architects. I want to thank my son Doug for assistant with the print edition of the book. Finally, I want to thank my editor-in-chief, my wife Marlene, for all that she has done to support me over more than sixty years.

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Overview

This history is a very personal, and no-doubt biased, first-hand account of my experiences at Rose Polytechnic Institute in Terre Haute, IN. It covers aspects of academics, social life and athletics. It includes an in-depth discussion of the very successful Rose football teams of 1957 and 1958; teams that won fifteen games in a row over two years including a perfect, undefeated 8-0 season in 1958. The '58 team established several school, state and national records, some of which have yet to be broken — some sixty plus years later. I led the nation in scoring in 1958 with 168 points in 8 games. According to the NCAA, I was the all-time leader in points per game for a season at 21.0 for thirty years (1958-88) until Barry Sanders of Oklahoma State broke my record in 1988 at 21.3 points per game.

It must be mentioned that Eddie McGovern, who played at Rose for the same Coach Brown that I did, led the nation in scoring in 1942 with 165 points in only six games, 27.5 points per game. Unfortunately, Eddie's records were never entered into the NCAA record books.

I also discuss my time at Rose from September 1962 to June 1964 as head football coach, athletic director, track coach and lecturer and then assistant professor of civil engineering.

I close with my afterthoughts on Rose-Hulman from the viewpoint of an alumnus who has more than fifty years of experience as an engineering educator.

Home Town Whiting

I grew up in Whiting, Indiana, a small Chicago suburb on the southern shore of Lake Michigan. As a student at Whiting High School my most significant accomplishment was quarterback and halfback on offense, and defensive halfback, on the 1954 Indiana State Championship football team. I was one of fourteen players called "Ironmen" because we were the only players with significant playing time. I also lettered on the basketball and baseball teams and was named "Whiting High Athlete of the Year for 1954-55". My high school grades were a little better than average.

My family included my mother Julia (Buckley), my father John, and my older brother John (Jack). Both of my parents were first generation Americans who came from large immigrant families, Irish on my mother's side and Croatian/German on my father's side. I had a total of forty aunts and uncles, and many more cousins. The great majority of these relatives lived nearby. There were numerous family get-togethers to celebrate births, weddings, graduations, first communions, holidays, and funerals. The Buckley family had a Christmas party every year, on Christmas Day for most years, for more than 100 years starting in 1910.

My father did not graduate from high school; he started a job at Standard Oil of Indiana in Whiting at age fifteen. He worked there for forty-three years retiring as an electrical foreman at age fifty-eight. My mother worked in the office at Standard Oil for a couple of years after graduating from high school and before my brother was born.

Our home at 1622 Central Avenue was 116 blocks from downtown Chicago and no more than a ten minute walk north up Central Avenue, across two sets of railroad track and a large field to the beach at Lake Michigan. The Chicago skyline was clearly visible across the lake from the beach. In my youth I spent many summer days at that beach.

Grandma and Grandpa Buckley lived directly across the street at 1625 Central Avenue. Grandma and Grandpa Herakovich lived about a ten minute walk south on Central Ave to 119th Street and then west over to Indianapolis Blvd.

Whiting was a small town of about 10,000 people. I could walk most everywhere. I walked to Sacred Heart Church and Grade School, Whiting High School, Whiting Park at the lake, and 119th Street which was the town's main (only) commercial street. Bike riding also was a common method of getting around town.

1955-59

Deciding to Attend Rose

I would not have known about Rose Polytechnic Institute except for a conversation with Assistant Football Coach and Athletic Trainer Henry Kosalko at Whiting High. Coach Kosalko coached the line for the football team and served as the trainer for all sports at Whiting. He had a large glass-enclosed training area in the locker room where he ministered to the aches and pains of athletes. The space included a large tub for water treatment of injuries, and tables for other treatments. Around the walls were slogans encouraging hard work. One I remember is "it's not the size of the dog in the fight that counts, but rather the size of the fight in the dog". Another was "be a champ, not a chump". And there were many more.

I was in the training room quite often during basketball season because of large blisters that formed on the balls of my feet. Coach Kosalko would treat them with vaseline, pads and tape before each practice and game for much of the basketball season. As a result, we got to know each other quite well. I really liked him.

During one of these sessions, Kush (as we called him) asked me if I was going to college. I told him that I wanted to study engineering in college and would probably go to Purdue. He mentioned that I could play football and study engineering at Rose Polytechnic Institute in Terre Haute, Indiana. He had coached at St. Joseph's College in Rensselaer, Indiana and they had played Rose. He highly recommended Rose as an engineering school; I decided to look into the school.

Bob Bercik (one of my Whiting High classmates and football teammate who lived right across the street from me) and I drove down to Terre Haute to visit Rose. While there we went to the fieldhouse and told the football coach Phil Brown that I was the quarterback on the state championship football team and was considering coming to Rose and playing football. I have no idea if what I told Coach Brown had any impact on my application for admission. The best I recall, it was late spring when we visited Rose.

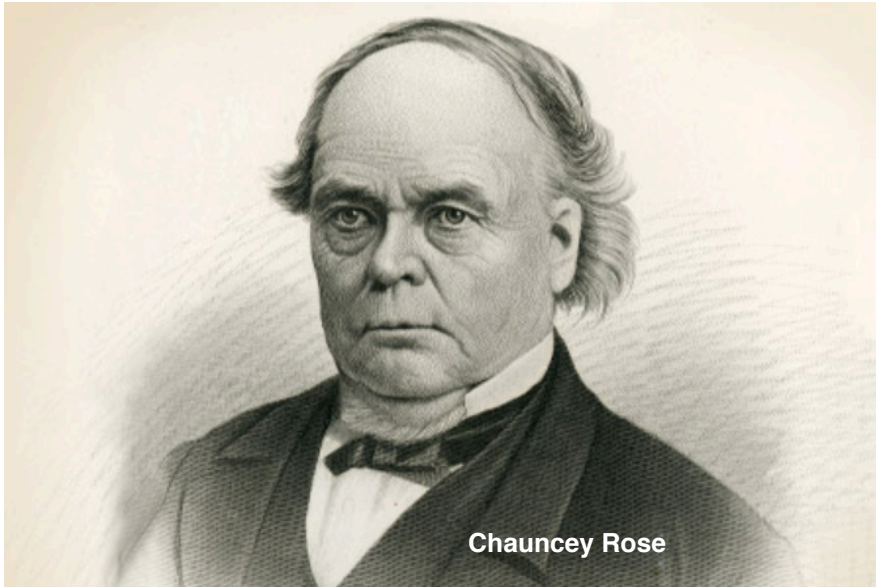
I have a Certificate of Admission dated May 2, 1955. It is signed by the Admissions Counsellor, George Zader who I got to know while at Rose. The certificate indicates that I made a deposit of \$5.00 which was refundable up to August 12, 1955. A copy of the Certificate is in the appendix.

1

Rose Polytechnic Institute

Chauncey Rose

When I entered Rose Polytechnic Institute in 1955, it was a small, all men, engineering college outside Terre Haute, Indiana. The school was chartered by Chauncey Rose and friends in 1874 as the first private engineering college west of the Alleghenies. Rose is given credit for having conceived the idea of an engineering school in Terre Haute.



The 1874 articles of incorporation named the school *The Terre Haute School of Industrial Science*, however, less than six months later, to honor Chauncey, the Board of Managers changed the name to *Rose Polytechnic Institute*. Chauncey Rose was a businessman, entrepreneur, builder of railroads, leading citizen and philanthropist.

The first class of twenty-five students (according to Bloxsome's book) began classes on March 7, 1883

Hulman Family

The Hulman family of Terre Haute has been a major benefactor of the school. In 1917 they donated a 123-acre farm east of Terre Haute for a new campus. After Anton (Tony) Hulman, Jr and his wife, Mary Fendrich Hulman, donated the significant assets of their foundation to Rose in 1971, the name of the school was changed to Rose-Hulman

Institute of Technology. In 2017, the school purchased the 1100 acre Hulman estate across highway U. S. 40 resulting in a five-fold expansion of the campus. The Hulman family has owned the Indianapolis Motor Speedway since 1945.

During its first century the school was referred to locally simply as Rose Poly, and the students were referred to as *Rose men*. With the name change to Rose-Hulman Institute of Technology in 1971, calling the school Rose Poly didn't do justice to the Hulmans. In 1991 the Board of Managers made the school coeducational ending the appropriateness of the *Rose men* moniker for the student body. Since 1991 the school has been referred to as *Rose-Hulman*.



As it was Rose Polytechnic Institute during my time at the school, I will often refer to the school as *Rose* or *Rose Poly* in my writings.

Academics

Rose was an all men's engineering college in 1955; students could choose a major in Chemical, Civil, Mechanical or Electrical Engineering. The Rose faculty took pride in how tough it was to handle the rigorous academic requirements of the school. In 1949 the faculty passed a resolution that for each department, in each term, the numerical maximum of letter grades should not exceed: A - 15%; B - 30%; C - no maximum; D, E, F - 40%. I was not aware of this policy when I was a student, and I don't know if was adhered to during my time at Rose.

"Man on your left, man on your right"

I remember that during the first assembly of my freshman year Dean Robert Strum said to us "look at the man on your left, look at the man on your right, only one of the three of you will be here four years from now". As it turned out, Strum underestimated the percentage of our class who would graduate four years later. Seventy-three were in the 1959 graduating class, approximately 45% of the 1955 entering freshman class of 150

The man on my left (Dave Hendricks) and the man on my right (Marlan Hildenbrand) graduated with me in 1959. The three of us talked about Strum's less than accurate "man on your left, man on your right" prediction many times over our four years



together. With a total enrollment of approximately 400, it was common to know many of the other students quite well. For those in your class, you knew most of them very well.

The following table shows the courses (with credit hours) that I took during each semester at Rose. It was not unusual for students to spend thirty or more hours per week in classrooms and laboratories; the large number of contact hours were due in large part to the number of three-hour laboratory classes. For my first three years at Rose we had Saturday mornings classes.

Herakovich Rose Course Load

Fall '55 (Fr) (19)	Math (5)	Chem (4)	Eng. Dwg (3)	English (3)	Eng. Comp. (2)	Mil. Sci. (2)			
Spring '56 (Fr) (19)	Math II (5)	Chem II (4)	Desc Geo (2)	English II (3)	Eng Comp (2)	Eng Dwg (1)	Mil. Sci. (2)		
Fall '56 (So) (19)	Math III (4)	Phys I (6)	Surv. I (3)	Hist (4)	Mil. Sci. (2)				
Spring '57 (So) (21)	Math IV (4)	Phys II (6)	Surv. II (3)	Econ (4)	Mil. Sci. (2)	Surv. III (Sum) (2)			
Fall '57 (Jr) (20)	Ltrs Rpts (3)	App Mech I (5)	E E E I(3)	Elem Therm I (2)	Mod Lit (2)	Econ Geo (2)	Mil. Sci. (3)		
Spring '58 (Jr) (22)	App Mech II (5)	E E E II (3)	Elem Therm II (3)	Str Anal I (3)	Str Des I (1)	Phy Metl (2)	Mil. Sci. (3)	Surv. IV (Sum) (2)	
Fall '58 (Sr) (21)	Fld Mech I (3)	Str Anal II (5)	Str Des II (2)	App Mech III (1)	C E Lab (1)	Soil Mech (4)	Adv Str Matis (2)	Mil. Sci. (3)	
Spring '59 (Sr) (20) Total (161)	Bus Law Fin (2)	Prof Orient (0)	Str Des III (3)	C E Lab (1)	Fluid Mech II (2)	Mil. Sci. (3)	Str Anal III (2)	San Eng (5)	Contr Specs (2)

I graduated in June, 1959 with a B. S. degree in Civil Engineering and a class rank of 36/73, squeaking into the top 50% of the graduating class. I completed 161 semester credit hours during my four years of undergraduate studies. Included in this total were four credit hours for summer surveying classes.

The honors I received at Rose included: tapped as a Member of Blue Key National Honorary Service Fraternity; designated a Rose Honor Man; member of the R-Men's Club; earned four letters in football and three in baseball; Captain of the 1957 and 1958 football teams, Secretary-Treasurer of the class of 1959.

Aside:

Bob Strum left Rose in 1956 for graduate studies at Stanford University; following graduate school he took a position at the Naval Postgraduate School in Monterey, CA where he taught for 33 years. My wife (Marlene) and I met him many years later (1999) for a breakfast chat in Monterey. Among other things, he told us how, when he was younger, he and a friend often played 36 holes of golf on Saturdays at the Pebble Beach Golf Course for \$5 a day. They would play 18 in the morning, have lunch at the club and play 18 in the afternoon. I envied him.

Tuition

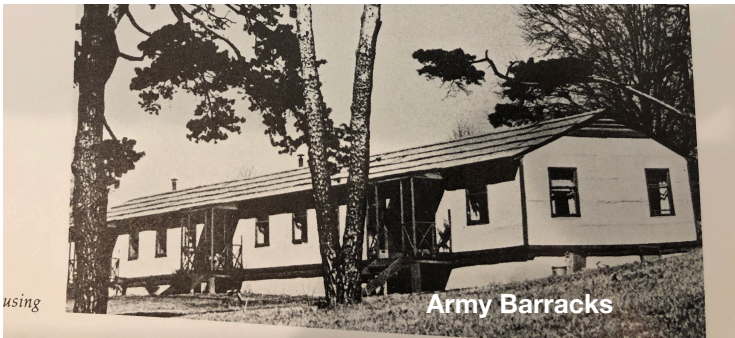
The yearly tuition for my freshman and sophomore years was \$495.00. It was raised to \$595.00 for my junior and senior years. There was an additional charge of \$30.00 each year for fees. Books were not nearly as expensive as they are today. We didn't have computers, we did have slide rules! The slide rules could be worn hanging from your belt. Some students did carry them around that way. I probably did at times.

Campus Buildings

The only buildings on campus when I arrived in 1955 were the Main Building (now Moench Hall), a dormitory (Deming Hall), a small student center (completed in 1954), Shook Fieldhouse (completed in 1948) and an army barracks from the World War II era.



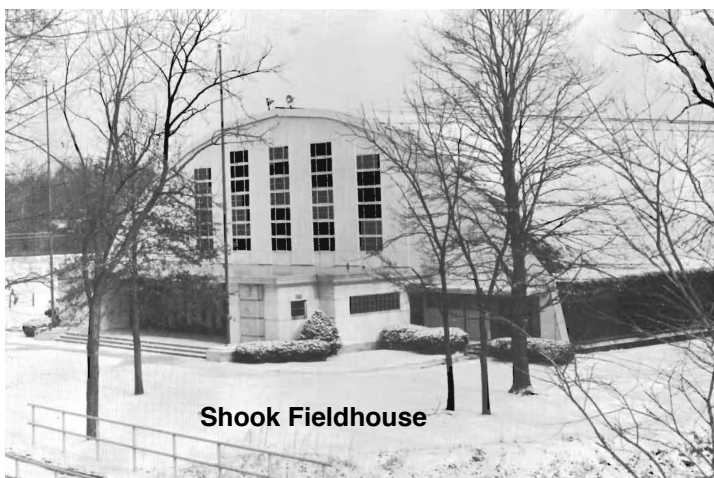
The cornerstone for the Main Building was laid on September 13, 1922, and the first classes were held in the building in September 1923. The building housed the administrative offices, classrooms, laboratories, a very small bookstore, a small auditorium, and the power plant. The building had a second floor hall/runway along the length of the building. In the latter half of the building this runway was an open balcony that looked down into the laboratories. There also was a lower level in the rear portion of the building with more laboratories and a few offices.



Housing

During my first semester at Rose, I shared a room in the World War II army barracks that was on the East side of the campus lake with my roommate Dick Parrish. He was from a small high school north of Indianapolis. Dick had been a straight A student in high school with many academic honors. I believe there were only six students in his

high school graduating class. Dick did not return to Rose for his sophomore year. I never knew the reason he did not return.



I was given a room in Deming Hall (the only dormitory on campus) for the spring semester. Space had become available because a number of students had dropped out of school by the end of the fall term. The dormitory primarily housed freshman and they were the ones most susceptible to leaving Rose – for one reason or another. It might have been poor grades, it was too much work, they were homesick, or they didn't like engineering. Many of the upper classmen lived in fraternity houses that were in Terre Haute about six miles from campus. A number of students were from the Terre Haute area and lived at home or in apartments.

I don't remember the name of my roommate in the dormitory. However, I do remember meeting Herman Eugene Blythe. He became one of my closest friends at Rose. He went by the name Gene, but I often called him Hermie.

Only ninety-five pictures of freshmen (from the entering class in September 1955) appeared in the 1956 Modulus (year book). The 1957 Modulus shows pictures of sixty-six sophomores. I don't know how accurately these numbers represents the actual class sizes as some students simply may not have shown up for the picture. However, the numbers are consistent with Strum's "man on your left, man on your right" warning.

First Final Exam

I vividly recall the first final exam I took at the end of the fall semester as a freshman. It was a four-hour, closed book exam in Shook Fieldhouse. Small tables and chairs were

set up at approximately six foot intervals, in all four directions, creating a grid on the sawdust floor. I was struck by how serious everything was. Even though there might have been as many as 150 students taking the exam, you could hear a pin drop. Professors walked around the edges of the group and occasionally they walked through the maze of tables. They were there mainly to answer any questions that a student might have. It was the ultimate of the honor system. Students could get up and walk around or use the facilities. I never felt that the professors were watching over us to make sure we didn't cheat. There was complete trust. I was impressed and honored to be involved in such an exercise.

I took several final exams in this manner during the freshman year when the entire freshman class was taking a common final exam. The fieldhouse was the only space on campus that could accommodate the entire class at one seating.

ROTC

Freshmen and Sophomores were required to be in ROTC during my time at Rose. This meant having military classes during the week and drill at 4:00 on Monday afternoons. We were required to wear our military uniforms for drill and military classes. ROTC was optional for juniors and seniors.

I opted to continue with ROTC and be commissioned as a 2nd lieutenant in the Army Corp of Engineers upon graduation. This meant that I had to go to a six week summer camp at Fort Leonard Wood, MO between my junior and senior years. ROTC students received a small monthly stipend during our junior and senior years.



As we approached graduation, we were given the option to request either six months active duty for training followed by seven and one-half years in the reserves, or two years active duty. I originally requested two years active duty, but after thinking about it for about two weeks, I decided it would be wiser to try it first before committing to the longer term. I went in to the ROTC office and asked the secretary if I could change my preference to the six months active duty. She said yes and, fortunately, that is what I was assigned. I was officially appointed a Reserve commissioned Second Lieutenant in the Army Corp of Engineers on 6 June 1959; my service number was 05 508 573.

Aside:

I reported for active duty at Fort Belvoir, VA on September 1, three months after graduation. That date happened to be the 20th birthday of Marlene Vukowich, the Indiana State student who I was dating at the time, and, as the reader will see, became my wife.

My military experience was not typical. After eight weeks of BOMOP (Basic Officer Military Orientation Program) at Fort Belvoir, VA, I was sent to Fort Knox, KY where I was assigned to Battalion Headquarters. My main assignments during that time included coaching the battalion basketball team, and serving as Commander of the Aggressive Forces making simulated attacks on the battalion when it was conducting exercises in the field. I had a small force of about ten soldiers. We did things like explode a simulated atomic bomb. The sergeant responsible for the explosion used so much TNT that the explosion broke a large window in a gas station outside the fort. I was never told of any repercussions because of the broken window. I also flew over the encampment in a helicopter with bags of flour that I dropped simulating bombs.

My military obligation was to be six months active duty for training and then seven and one-half years in the reserves. When in the reserves, I was expected to attend weekly meetings and a two-week summer camp each year.

As things turned out, I never went to the two week reserve summer camp and I only attended weekly meetings during the two years that I was in Terre Haute as the Rose football coach. I was excused from weekly meetings and summer camp during the periods I was a graduate student at both the University of Kansas (1962-64) and the Illinois Institute of Technology (1964-67). I also was excused from two summer camps during the years back in Terre Haute in order to attend National Science Foundation Summer Institutes for graduate engineering courses.

A further irony of my military service is that I was promoted twice while officially in the reserves. Each time, I received letters putting me on active duty for one day to go to a nearby military base to take a physical exam. Passing the physical, I was promoted to 1st lieutenant while at The University of Kansas and to Captain while at the Illinois Institute of Technology in Chicago. I was officially discharged from the United States Army Reserve on 16 December 1968.

Growing Up

One of the more disappointing experiences that I had during my second semester at Rose while living in the dormitory was associated with the birth of the child of one of our classmates. Blythe was from Indianapolis. A good friend of his from Indianapolis also was a Rose freshman living in the dormitory. (I believe I know his name, but am not positive as he doesn't appear in the picture in the 1956 Modulus). When word came that the baby had been born back in Indianapolis, the father wanted to go see his wife and child. Blythe had a car (a convertible) so Blythe took him to Indianapolis. I went along for the ride. I believe it was a late January or February night with a fair amount of snow on the ground.

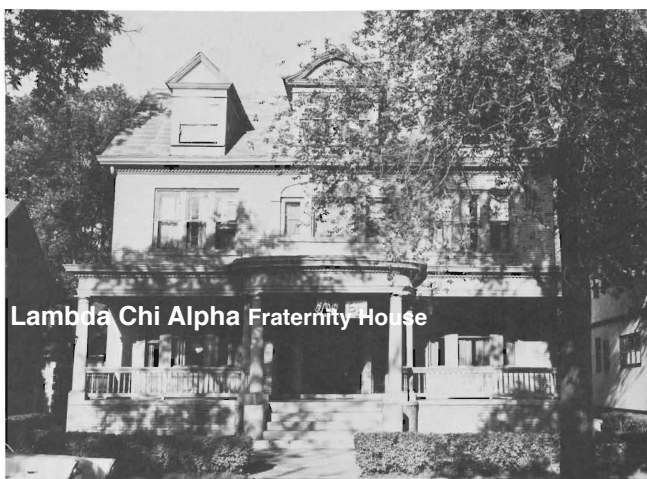
After the visit to the hospital, we went to Blythe's home that was on the West side of Indianapolis to see his parents. I particularly remember his mother, a very nice lady. It was decided that we should celebrate the birth so I walked down the street to the local liquor store, bought a pint of bourbon (I had a fake ID), and brought it back to the house. Well, I clearly drank too much with very little food in my stomach. We may have left Terre Haute without dinner in the desire to get to Indianapolis quickly. I don't recall the ride back to Terre Haute that night - I was told that I was out of it! The next day I was miserable most of the day, either laying in bed or going down the hall to the bathroom to get sick or stand in the shower. This became a very well known story and the next day when I went to math class, Professor Al Schmidt gave an impassioned speech about how important it was that we, as individuals, behave in a responsible manner. He never

mentioned my name, but it was very clear as to who he was referring. It made a huge impression on me. I like to think I cleaned up my act after that.

Fraternity

There were four fraternities at Rose in 1955: Alpha Tau Omega; Lambda Chi Alpha; Sigma Nu; Theta Xi. Each fraternity had a house in Terre Haute. They were in close proximity to each other. Two were on South Seventh Street, one on South Eighth Street and one on South Ninth, about 6 miles from the Rose campus. It took fifteen-twenty minutes to get to campus from the fraternity house. I had a car during my senior year that was provided by my parents. In other years, I was able to get a ride from a fraternity brother. Typically, most students were going out to campus for an 8:00 class and staying there all day.

Freshmen could not pledge a fraternity until the second semester. There were two “rush” periods in which students could indicate the fraternities they would consider joining. I had signed up for the first rush period, but my grandmother died and I went home for the funeral and forgot to let the fraternities know that I had to cancel. That didn’t leave the best impression. However, I did attend the second rush and was eventually accepted as a pledge for Lambda Chi Alpha.



I lived in the Lambda Chi House for my final three years at Rose. It was a big house with essentially four floors. The basement was a nicely finished paneled room that served as the dining room, the meeting room, and a party room for mixers with sororities from Indiana State. The ground floor had a kitchen and three other nicely appointed rooms with sofas and chairs. The second floor had study rooms with three or four desks in each room.

Some of my study mates during those years were Gene Blythe, Larry Kirts, Terry Hallcom, Larry Logue and Tom Feutz. There was also an enclosed back porch on that floor that served as sleeping quarters for a couple of members, at times. The top floor was an unheated, attic dormitory furnished with about twenty cot-size beds. This room was very cold in the winter and members slept in sweat suits covered by many layers of blankets when it was cold.

I held several positions of responsibility in the fraternity. When my fraternity was responsible for the intra-fraternity dance in my sophomore year, I served as chairman of the event. As chair I had to reserve the use of a local country club, hire a band, and serve as emcee for a singing contest between the fraternities.

Fraternity Social Probation

One of the more interesting developments that occurred when I was the fraternity social chairman was an impromptu party at the fraternity house. At the end of each academic year at Rose, it was tradition to have a dance on campus for the graduating seniors and their dates. This occurred after most of the undergraduates had completed exams and left for home. I was still on campus because as a civil engineering major I had a summer surveying camp that lasted for two weeks. I always liked to dance so I got a date and went to the dance.

I was probably mixing mostly with fraternity brothers and their dates at the dance. As the evening came to a close, the seniors indicated that they didn't want the evening to end so soon and asked me (as social chairman) if we couldn't continue the party back at the fraternity house. The house had a rule that we could not have women in the house unless there was a chaperone in the house. One of our graduating senior was a married military veteran and an approved chaperone. I asked him if he and his wife would serve as chaperones back at the house. They responded that they could not because they had to get back so their baby sitter could go home. So, with some pressure from the seniors, I agreed that we could go ahead and continue the celebration at the house.

Returning to the fraternity house, we were in the basement room with the lights down low and dance music playing when, all of a sudden, the lights came on. Fraternity brothers John Jardine and Don Johnson were standing at the bottom of the stairs leading to the first floor in their PJs. They had been up in the attic dormitory sleeping, heard the music and came down to see what was going on. They knew that no party had been arranged for the evening and became aware of the fact that we had women in the house and didn't have approved chaperones at the party. They were very upset at what was going on and brought the party to an end.

Later they charged that liquor was being used at the party. If true, this was in direct violation of house rules. They claimed there was a glass with liquor in it on the bar in the room. I never knew of the presence of liquor and no-one ever admitted to having any. Never-the-less, Jardine and Johnson reported the incident to the Lambda Chi

Alpha national office and, as social chairman, I was put on social probation for the following fall semester.

The following fall I had to go out to Professor Al Schmidt's house when there was a mixer with women on-going in the fraternity house. Al was the faculty advisor for our fraternity. While at Al's house during a party, I learned how to fold newspaper to start a fire in the fireplace. I used that procedure whenever we had a wood-burning fireplace in our home for ever after.

I was elected pledge trainer of the fraternity for my senior year. I always thought it ironic that the guy who had been put on social probation by the national was now leading the pledges on how to become a good fraternity brother.

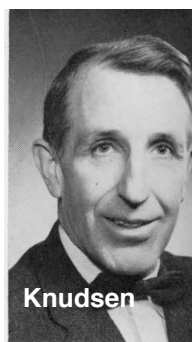
It is also interesting that years later, Lambda Chi Alpha National put me in their Hall of Fame.

Professors

Vivid memories of classes at Rose include a fluid mechanics class with Professor Pao, a calculus class with Professor Teddy Palmer, and a chemistry class with Professor Oran Knudsen. A not so happy memory was the grade I received from Professor Darrell Criss in an electrical engineering class. Also, Al Schmidt's mathematics class, the ring he wore, his comments on individual responsibility and his serving as our fraternity faculty advisor are good memories.

Oran Knudsen

Professor Knudsen was an excellent chemistry professor; I had him as a freshman. Knudsen was a very cheerful professor, often with a devilish look. He kept his class light and cheerful by telling stories. The story from his class that I remember most concerned the back and forth between Professor Knudsen and a student on a test. The student wrote as the answer to a question "God only knows". Professor Knudsen wrote back "God gets an A, you get an F".



Teddy Palmer

I had Professor Palmer for my first calculus class during my freshman year. Palmer was quite different from Knudsen. He was more reserved and serious. The class was in a room at the front of the second floor of the main building (now Moench Hall). There were blackboards at the front of the class, along the right side and across the back of the room. This was a time when students were often asked to go to the blackboards and work out problems. The left side of the room was filled with a series of vertical, crank-out windows. It was a warm September day and the front window was open. Professor Palmer explained "infinity" by taking a piece of chalk and walking along the front, side and back boards drawing a line along each and then walking up to the open front window, where he threw the chalk out the window, and said "and down to Seelyville, — that's infinity". Seelyville was a small town 9 miles down the road.



Richard Pao

Professor Pao was a young civil engineering professor who had recently arrived from China. He did speak English quite well and had a very warm and gentle personality. I had him for a fluid mechanics class during my junior year. It was an 8:00 class during cold weather. I sat next to a radiator with my coat on. The combination of it being early in the morning, me being tired, and wearing my coat next to the warm radiator, I fell a sleep. Pao noticed this, came over to me, woke me up, and told me to never again fall asleep in his class. Clearly, I had embarrassed him by falling asleep in his class. That had a big impression on me; I never fell asleep again in class after that experience.



I took another class from Pao as a senior. It was another mechanics class, Advanced Mechanics of Materials out of the Seely and Smith book. There is no question that the mechanics courses I took from Pao were the major influence on my later decision to study mechanics in graduate school.

Another story about Pao that I like was something he told me when I was back at Rose as the football coach and teaching in civil engineering. We had become good friends; he told me that when he arrived in the New York City airport on his first trip from China to Terre Haute, he sought out a policeman in the airport to ask him where he would go to catch a flight to "Indiana Police" i.e. Indianapolis. Pao was quite open to laughing at himself.

Darrell Criss

The class I took from Professor Criss was a fall semester, required, electrical engineering class for all students who were not EE majors. I expect that there were fifty or more students in the class. I hadn't been doing all that well in the class prior to the final exam which was a four hour, closed-book exam. However, the exam seemed to hit me just right and I finished it in about ninety minutes. Since I had a lot of time before I had to turn it in, I decided to walk over to the (small) student center and have a snack before checking over my work one more time before turning it in. (It should be noted here that we had a very strong honor system at Rose in those days and there was no issue with me leaving the exam room and coming back later.) In the student center, I sat at a table with Bill Kuchar, a good friend and classmate, who was an EE major and therefore not taking the exam that I was. Bill also played football so we had a lot to talk about — except the exam that I was taking. I must have sat with



Bill for a half hour or more and then went back and reviewed my exam before turning it in. I was very confident that I had done quite well on the final exam.

Upon returning from the break between semesters, I learned that I had done exceedingly well on the final. I scored something like 97 which was one of the highest grades on the final exam. However, the semester grade report indicated that I only got a C for the semester. So, I, very nervously, went to see Professor Criss to ask why it was that I only got a C for the semester considering my excellent final exam. He brought out his small, green, grade book to show me how the grade was determined. He then discovered that he had made a ten point error when adding up my final grade; according to his book, my final grade was listed as ten points below what it should have been. The corrected score was a fraction of a point below what he had set as the minimum score for a B. And, even though I had aced the final with one of the highest grades in the class, he would not change my grade to a B. That's the way it was at Rose in those days. Clearly, I have never forgotten it.

Al Schmidt

I had Al Schmidt for a calculus class in the second semester of my freshman year. There are two things I seem to remember from that class. One, Schmidt wore a Rose ring with a red stone on his hand that was always very obvious as he wrote on the blackboard. I have worn a replica of that ring ever since graduating from Rose. The second thing I remember is the lecture he gave to the class one day after I had done something very unbecoming for a college freshman. Al had learned of my indiscretion and, without ever mentioning me by name or the exact nature of my indiscretion, spoke to the responsibility that we all had to behave in a responsible, adult manner. His talk had a profound impact on me.



Al was the faculty advisor for my fraternity and we got to know him quite well as he was present at many of the fraternity functions. The night before my interview to be the football coach, I sought out Al to get some insight as to what the relationship between the faculty and the football coach might be, and to assess what level of salary I could expect. I also sought him out for a recommendation when I was applying for graduate school at the University of Kansas.

Football

Rose Poly played its first football game in 1892 with a record of 0-1-0, a 12-0 loss to Wabash College. Rose played at least one game every year from 1892 to present (2019) except that no games were played in 1893 nor during the 2nd World War years 1943-45. In the early years (prior to 1918) Rose played against major universities including Indiana, Illinois, Louisville, Missouri, Notre Dame and Purdue.

My first year on the Rose football team (1955) showed me the routine for football and how football fit in the life of a small (400), all-male, engineering school in the 1950s. Since all students were carrying a heavy academic load, practice did not officially begin until 4:00 pm. Players were encouraged to arrive at practice before 4:00; some players did, if their class schedule permitted. Practice always concluded by 6:00. On Friday afternoons before a Saturday game, Coach Brown's wife Al would come to practice with a bushel of apples. The team would relax together having apples and talking with Phil and Al out on the football field after practice.

Phil had somebody take what amounted to "home movies" of our games. I'm not positive, but the photographer may have been positioned on the roof of the press box. If not on the press box, then a scaffold-type tower may have been erected for the photographer.

These movies were shown and discussed at noon in the fieldhouse locker room, a couple of days each week following a game the previous Saturday. Players sat on the benches between two rows of lockers looking down the row at the movie being show at the far end of the row. Attendance was voluntary, and I would say rather sparsely attended. Depending upon one's class schedule, you often were faced with the decision, do I have lunch or do I go down to the fieldhouse and watch a movie.

Unfortunately, the movies of our games were "lost". Years later, I wanted to get copies of them so I could prove to my children just how good my teammates and I were, but they were no longer available. They were still available at Rose in 1962-64 when I was the coach. My son Doug and I have contacted many of the schools that we played against to see if movies of those games are available; none have been located. I never felt that I got a good answer as to what happened to the movies.

On the day of home games, we had a pregame meal about 10:00 am in the dining room of Deming Hall, the only dormitory on campus. This was followed by a casual walk over to the nearby lake where there would be a brief discussion of the strategy for the game. I always enjoyed those quiet times lounging on the lakeside grass on a fresh, fall day with the aroma of the surrounding leaves. I found it very relaxing. We would then walk down the hill to Shook Fieldhouse where we dressed for home games.

Travel to away games was on a bus. We would leave the fieldhouse as early as 6:00 am on Saturday morning. Students were excused from Saturday morning classes when participating in a sanctioned activity such as an athletic contest.

Phil had been doing this for many years so he knew where we would stop for the pregame meal. He knew the approximate time we would arrive and had made a reservation for a meal similar to what we had for home games. I recall that thin slices of beef typically were on the menu. I don't believe that we had much (if any) choice. For longer trips we must have stopped for a meal on the way home, but I can't say that I remember that.

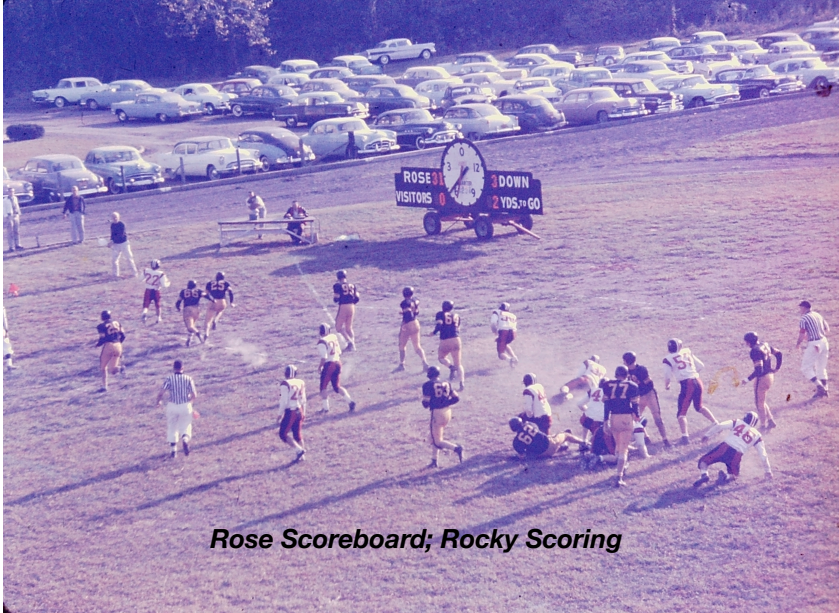
For overnight trips, we would leave after lunch on Friday and stay in a hotel near the game site. We would always return to campus on Saturday after the game. Otherwise the routine was the same as for all other games.

The home games were played on the football field which was on the North side of Shook Fieldhouse. As indicated in the photo below (taken prior to the game), there was a section of permanent stands with a "press box" on its Western end. The permanent stands were about 25 yards long with adjacent, temporary bleachers on each side. Rose Polytechnic Institute was proudly displayed on the roof of the fieldhouse. An eight lane, cinder track surrounded the field. Temporary bleachers for the visitors were erected along the North side of the field. Behind the visitors bleachers there was a line of railroad tracks that ran between Indianapolis and Terre Haute. As best I remember, there was not a lot of train traffic.



Rose Football Field, Home Stands, Shook Fieldhouse

A mobile scoreboard was rolled out for games and positioned outside the Southwest corner end zone. The picture of the scoreboard shows a score of Rose - 31, Opponents - 0. Number 22 (white jersey in the photo) who is about to score is me. Unfortunately, I don't have a record of the year, the opponents, or the quarter of the game for which the picture was taken. Based upon the score, the game would have been in my junior or



Rose Scoreboard; Rocky Scoring

senior year. The “large” number of cars in the parking lot indicates that there was a “big” crowd for the game. The cars are clearly late fifties models.

Beyond the Western end of the football field there was a rather large practice field.

Coach Phil Brown

Phil Brown's first year as coach at Rose was 1928; he was in his 28th year as Head Coach when I arrived at Rose in 1955. He would retire four years later, after my senior year, for a total of 31 years as the Rose Polytechnic Institute Head Football Coach. He had two undefeated seasons, 7-0 in 1941 and 8-0 in 1958. His longest winning streak was fifteen games over the 1957 and 1958 seasons. His career coaching record was 99-109-7.



Phil was a 1923 graduate of Butler University. He came to Rose as an English teacher, football coach and track coach. His previous experience included two years at Marshall (IL) High School and Washington College in Chesterton, MD. In 1955, he was no longer teaching English, but he was Director of Athletics in addition to coaching football and track. He also had coached the Rose basketball team for several years.

Phil was an innovative football coach. Our offensive system changed considerably during my four years. By my senior year, we were running what was basically a winged-T offense, with many variations, including some plays from a single-wing formation. We could line up balanced or unbalanced — left or right, and put backs in motion. Our signal count was simply “ready, set, go”. We usually went on “go”. When an opponent tried to take advantage of that we would switch to “ready” or “set” as the snap signal. I don't recall any trick plays, but we must have had some. It was a tribute to our players that they could adjust to these different formations with ease, with a limited amount of practice time.

Play calling was simple. As an example the quarterback might say, “fullback fake over left guard, left halfback over right tackle”. The quarterback told the backs where to go and the line picked up the blocking. The quarterback almost always called the plays without input from the sideline. I recall one time when Phil was a little unhappy with those of us out on the field because we called a running play on fourth and five from about the 45 yard line. Phil expected that we would punt. We were confident that we could make a first down so we ran the ball. We did make the first down.

During my years at Rose, Phil essentially coached the team alone. On occasion, Jim Carr the basketball coach would be on the practice field, but Jim's forte was not football and once his basketball team started practice we didn't see him except at home games. Max Kidd, a local high school coach from nearby Brazil, IN showed up a few times after he retired from high school coaching. I don't recall that there was ever an assistant coach with us on an away football trip.

Phil maintained the football field including lining it, taped ankles and attended to all other activities associated with the football team. He was a one-man operation. Jim Carr did assist taping ankles before home games.

Phil was also an excellent, humorous, after-dinner speaker. On the several occasions that I was with him when he gave a speech, I was very surprised at how good he was. His English major background clearly showed at these times.

Phil has a rather unique record. He was the coach of two players that led the nation in scoring, and has the record for coaching the leading scorer in the state of Indiana for seventy-eight (and counting) continuous years. It is hard to imagine that this record will ever be broken.

Freshman Football - 1955

I did not report to school early for football practice my freshman year. I only appeared on campus when the freshmen were asked to be there. This was a few days before classes actually started; football practice had been underway for several days. The fact that I did not report for early football practice undoubtedly is an indication that I was not expecting football at Rose to be too demanding or rewarding, or my prime reason for being at Rose.

After spending some time in the locker room with a student manager to get a uniform and locker, I went out to the field where the rest of the team was already practicing. I recall that the very first activity that I was involved in was a live drill in which I was lined up as a halfback and was to block out the defensive end coming across the line at the snap. The end was much bigger than I was and I wasn't sure what to expect. At the snap I moved right, hit the end low, picked him up on my shoulder and dropped him on the ground. I was very surprised at how easy it was. I don't recall anything being said by anyone. This definitely gave me confidence that I would be able to contribute to the Rose football team.

Coach Brown had asked me about playing quarterback at Rose, but I told him that I wanted to play halfback. I didn't feel I could throw very well and thought that I could make a better contribution as a halfback. While he agreed to my being a halfback, he did ask that I be available for quarterback play if needed. I agreed.

We had two co-captains during my freshman year and they were the two halfbacks, Bob Young and Al Merrelli. This limited my playing time on offense. However, I did play a lot of defense. The team did not have a particularly good year with a record of 1-6-1. The team scored only 45 points all year.

The final game at Georgetown was my best game of the year. I played every down, offense and defense, except the first down of each half. I scored my first touchdown of my college career late in the game. The touchdown was scored on a play that was

planned to go over left tackle. The hole was jammed up so I just slipped to the outside and scored without anyone touching me. The game ended in a 7 - 7 tie.

My parents only missed attending one football game (home and away) during my four years playing at Rose; they missed the last game of my freshman year at Georgetown College in Georgetown, KY. It was a night game some distance from Whiting and would have entailed an overnight trip for them.

The most significant football achievement of my freshman year was selection to the all-defensive team of University of Illinois at Navy Pier. It was quite a surprise to me and to Coach Brown. I learned about it while walking through the hall of the main building (now Moench Hall) one day after the season. As I walked through the hall, Phil said to me "hey Rocky, look what I have here". He then showed me a newspaper article from the Chicago Tribune stating that Owen March (our senior center) and I were selected for the all-defensive team of the University of Illinois at Navy Pier.

What I remembered about that game was that on defense, I was playing right, outside linebacker on a six-three defense. Navy Pier had a number of Korean War Veterans who were big in addition to being older and more mature. They ran a single-wing offense and kept coming at me around end with a pulling guard and a back leading the ball carrier who was big. I felt like they had made it very difficult for me, but I must have made a few tackles. They beat us 19-6.

I earned a letterman's R for my participation during my freshman year.



Asides from 1955:

My mother was very excited to have talked to the movie star Joel McCrae during one of our football games. McCrae was a "ruggedly handsome" actor who starred in many westerns beginning in the 1930s. McCrae's son played for our opponent. I believe it was Principia. The only explanation I can have for why McCrae, from California, would have a son attending Principia College on a bluff overlooking the Mississippi River near St. Louis is that it was the only Christian Science College in the country.

For the game against Culver-Stockton College, I played against Rick Rusnack from my Whiting High School. Rich was a military veteran at the time, in college on the GI Bill. I met him in the summer before entering Rose when I worked at a drive-in restaurant in Whiting that Rich and a friend (Gene Blastic) owned. Many days that summer, I worked at Youngstown Sheet and Tube Steel Mill during the day and then cooked hamburgers at night at the drive-in. Several years later, Rich and I became very good, life-long friends and, for a time, business partners.

Sophomore Football - 1956

Back home in Whiting during the summer before my sophomore season, I would work out at the high school practice field to stay in shape for football. During one of these sessions in early August, I pulled a hamstring muscle very severely. It happened about

4:00 in the afternoon. I had just gotten off work at Standard Oil of Indiana and was starting to run wind sprints with my friend Greg Doman. It had been a hot day, but a cold shower hit the practice field just before we started. The practice field was no more than a couple hundred yards from Lake Michigan. There was now a coolness in the air. As I started to sprint, I felt this tremendous pain in my hamstring and stopped immediately. This was the first time I had had such an injury. I thought if I took it easy for several days, it would work itself out. That did not happen.

By the time I was to report for early football practice at Rose, the leg was no better so I decided to stay in Whiting and continue to rehab the hamstring. I wrote to Phil and told him about the leg and said that I would be back at Rose for the start of classes. The timing was such that several of my Whiting friends (Greg Doman, John Ciesar and Jim Yeager) would be driving to New Jersey (across the river from New York City) to visit our good friend Ron Rosin whose mother had just moved to New Jersey with her new husband (Ron's father had died while we were in high school). I decided to go with them to New York since I wasn't going back to Rose early. It's true that I really did want to go to New York with my friends rather than go to Terre Haute for football practice. We were in the New York area for a couple of nights. I recall going into a jazz bar in Manhattan where the musicians were on a raised platform behind the bar. We also went to the beach at Atlantic City one day and I tested my leg by running along the shore. I didn't sprint, just ran at a decent pace. The leg seemed to be much better.

When I got back to Rose, I immediately started football practice. On the first day, after doing exercises to loosen up, the backfield players started to do some drills working on backfield movements and handoffs. The first play that I ran was a straight ahead dive play. As soon as I started a quick dive, the hamstring pain came back in full force. I immediately stopped participating in the drill and did some stretching and jogging to see how the leg was responding.

After one or two days of this with no progress in sight, Phil sent me to a therapist in Terre Haute who worked with major league baseball players. Phil thought that the therapist would be able to eliminate my problem. He had me lay on a table and had a device that sent some type of electronic pulse through my leg. I didn't feel anything out of the normal during the procedure, which took only a few minutes. The therapist told me that this was going to cure the problem. Well, it didn't cure anything.

As the first game of the season was approaching and I wasn't doing any better, I decided to go home on the weekend to see my high school trainer Coach Kosalko, the coach who had recommended Rose initially. Kush told me to do a lot of stretching exercises and to lay under a hot (as I recall it) shower for about 20 minutes each day.

For the next several weeks, I followed his recommendations back at Rose. I would go down to the fieldhouse after classes arriving just after 4:00; the team would be out on the practice field. I would then lay down on a bench under the shower for about twenty minutes letting a heavy stream of water essentially massage my thigh. I would then go out and walk around the track, stopping every few paces to bend over trying to touch

my toes in an effort to slowly stretch the hamstring. Initially, it was difficult to touch my toes and there was considerable pain. However, with time and repetition, the leg started feeling better. I gradually increased the pace around the track to a quick walk, a trot, a run and then a fast run, always with many stops along the way for stretching. I took care not to have any quick starts.

I missed the first two games of the season and we had an open date before the third game. So it was at least one month that I had been rehabbing the leg. Fortunately, the leg did respond to the exercises and I was able to play football for the third game.

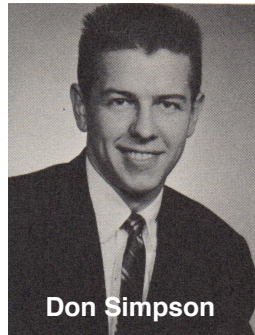
Aside:

During the twenty years that I was an ACC football official, I made a serious effort to stretch out the hamstring before games. I recall one play in particular in a Georgia game that I was officiating. On the very first play, the quarterback threw a long pass to a fast receiver running straight downfield on my sideline. As I ran along the sideline trying to keep up with him, I felt the hamstring pull. For the rest of that game, and all following games, I was very careful to avoid quick starts. Prior to games, I would exercise by making short runs, gradually increasing the speed up to a sprint in order to loosen up the leg. I may have looked silly, but it did work.

The first game I played in was on Oct. 13 against Eureka. After having lost our first two games of the season, we beat Eureka 47-14. I scored two touchdowns, an 80 yd. run from scrimmage and a 50 yd. pass interception. We won three of the five games I played in to end the season with a 3 - 4 record. For the year, I scored a total of five touchdowns, 4 rushing and one pass interception for a TD (what today is called a pick 6).

Oversleeping for Game at Franklin

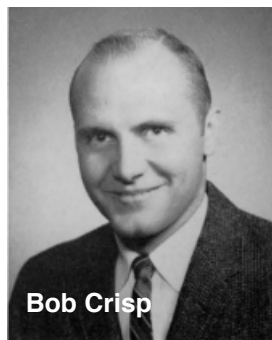
Gene Blythe and I shared a bedroom that was essentially an enclosed back porch on the second floor of the fraternity house. All other members of the fraternity slept in an attic dormitory. Gene and I seriously overslept on the day of an away football game at Franklin. We later learned that Coach Brown sent one of the equipment managers back into town to the fraternity house to find us, but he came up empty — he was not a member of our fraternity and didn't know that we slept on the back porch.



Fortunately, Don Simpson, a fraternity brother came back to the house (we still had classes on Saturday mornings in those days) and became aware that we were still sleeping. He woke us up, borrowed Bill Payne's car (Bill was another fraternity brother) and drove us on a high-speed trip to Franklin (just below Indianapolis, about an hour and a half away).

In fact, Don drove so fast that we got a ticket for speeding. Don reminds me that he tried to talk the state policeman who stopped us out of giving him a ticket due to the fact that he was trying to get us to Franklin in time to play in the football game. The state policeman told Don that his brother was the quarterback for Franklin and Don should please follow him to the Justice of Peace. We did arrive in time to dress for the game, but we missed the pregame meal and didn't have anything to eat before the game. I know that I didn't play well, we lost the game.

Bob Crisp, a classmate who lived in Columbus, IN had several of us (Blythe, Anderson and me) stay at his house after the game. He invited some girls from nearby DePauw University for a party at his house that night and a picnic the next day at a near-by park. I had a rather severe headache after playing the game without any food in me. As a result, I wasn't very social during the party. I did feel better at the picnic the next day. Bob was a members of the Sigma Nu fraternity; Gene and I were members of Lambda Chi Alpha, but we were all very good friends.



An interesting side note to all this (at least to me) is that the only two people in the story that I have maintained relatively constant contact with through the years are Simpson and Payne. Both were fraternity brothers and two years ahead of me in school. I had played football with Payne and baseball with Simpson.

I lost track of Blythe and reconnected with Crisp as I was writing this memoir.

After the season I had earned my second **R** letter in football and was given a black sweater with a large red **R** and a football and two bars indicating two letters.



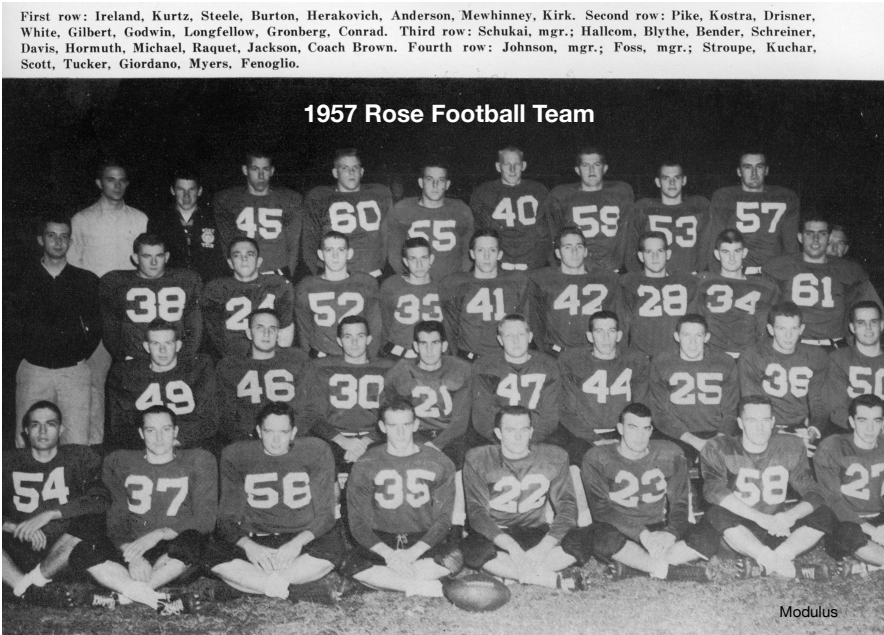
Junior and Senior Football - 1957 & 1958

One of the more interesting aspects of the fifteen game winning streak is that we kept winning over the two years even though there were significant changes in the personnel. In 1957 we had thirty-three players: eight juniors, eleven sophomores, and fourteen freshman. Only fifteen of the thirty-three returned to play in 1958 even though there were no seniors in 1957. In 1958 we had twenty-nine players: three seniors, seven juniors, nine sophomores and ten freshman. We typically had about 30 players on the team during my years at Rose. As a result, many of us played both offense and defense.

1957 Rose Football Roster											
Name	#	P	Hometown	Yr	Wt	Name	#	P	Hometown	Yr	Wt
Anderson, Gary	23	FB	Caldwell, NJ	So	172	Jackson, Bob	61	G	Indianapolis	Jr	260
Blythe, Gene	24	QB	Indianapolis	Jr	148	Kirk, John	27	HB	Mt. Vernon, IL	So	142
Bender, Ronnie	52	E	Cleveland	Fr	173	Kostr, Ed	46	T	East Chicago	Fr	185
Brown, Gerald	32	G	Aurora	Fr	160	Kuchar, Bill	60	T	Morton Grove, IL	Jr	219
Conrad, Tom	50	C	Nappanee	Fr	171	Kurtz, Ned	37	HB	New Winchester	Jr	153
Davis, John	41	G	Terre Haute	Jr	165	Longfellow, Daryl	25	HB	Hoopeston, IL	Fr	169
Drisner, Bob	30	QB	East Chicago	Fr	180	Mewhinney, Bob	58	E	Dayton, OH	Jr	159
Fenoglio, John	57	T	Clinton	Jr	190	Michael, Bob	28	HB	Bay Village, OH	So	169
Gilbert, Charles	47	G	Matton, IL	Fr	172	Myers, Larry	53	FB	Hillsboro	Fr	189
Giordano, Bob	59	T	Chicago	Fr	220	Pike, Dick	49	G	Terre Haute	So	168
Godwin, Jim	44	G	Terre Haute	So	166	Raquet, Allen	34	G	Columbus	So	155
Gronberg, Bart	38	E	Batavia, IL	So	175	Schreiner, Jack	33	E	Washington, DC	Fr	149
Hallcom, Terry	38	FB	Zionsville	So	180	Scott, Don	55	G	Danville	So	190
Herakovich, Carl	22	HB	Whiting	Jr	151	Steele, Mac	39	T	Terre Haute	So	189
Hormuth, Tom	43	E	Evansville	Fr	178	Stroupe, Woody	45	E	Louisville	So	171
Ireland, Ron	54	E	Edinburgh	Fr	185	Tucker, Dick	40	C	Terre Haute	So	181
						White, Max	21	HB	Greenfield	Fr	154

In 1957 we had a junior, starting quarterback, Gene Blythe, who did not play football in high school. Blythe did not return to Rose for his senior year in 1958; as a result, our

quarterbacks were two freshman, Bob McWilliams and David Lindzy. They both played roughly the same amount of time.



There can be no question that a major reason for our continued success over the two years was that our starting line was nearly constant. Dick Tucker (a Navy submarine veteran) was our center, Don Scott and Al Raquet the guards, the tackles were Bill Kuchar in '57 and '58, Jack Fenoglio in '57, and Mike Munro in '58, the ends were Bart Gronberg, Tom Hormuth and Woody Stroupe.

I recall one play in particular that exemplified the toughness of our line. The game was a home game against Principia in 1957. After one play I came back to the huddle reporting that a defensive lineman was punching me in the face under the pile. Tucker and Scott asked who it was; after I told them, they said something like "we'll take care of him". He had to be carried off the field after the next play. I'm not sure what they did to him. When I mentioned these plays to Scott at our fiftieth reunion, he had no recollection of the events.

The mainstays of the backfield in those two years were the same except for the change at quarterback and Terry Hallcom moving to the line in 1958. Gary Anderson was the fullback and Bob Michael and I were the halfbacks. Terry Hallcom and Daryl Longfellow

were key backfield players in '57; freshman Bill Yochum played a key roll in the backfield in '58.

The wide margin in the score for most games resulted in most players getting considerable playing time during both years. Additional players that come to mind as having made significant contributions include Joe Andel, Hall Booher and Bob Drisner in the backfield, and Jim Godwin, Ed Kostra, Charley Gilbert, Ron Ireland, and Dick Pike in the line. My apologies to all others I neglected to mentioned.

1957: Record 7-1-0

We lost the opening game of 1957 (against North Central by a score of 13-27), and then went on to win the final seven games of the season. Following the opening loss, we won by scores of 41-0 ([Concordia](#)), 50-0 ([Principia](#)), 26-6 ([Illinois College](#)), 49-18 ([Franklin](#)), 27-0 ([Eureka](#)), 20-19 ([Principia](#)), and 46-7 ([Earlham](#)), outscoring opponents 259 - 50. The one close game 20-19 (at Principia on the banks of the Mississippi River) was the result of our quarterback Gene Blythe being so sick that he couldn't play at all. I played QB the entire game and that totally changed our offensive game plan. As I recall, we kept using fullback Terry Hallcom as a battering ram hitting straight into the line. Terri scored our final, go-ahead touchdown late in the game.



1957: Blythe, Rocky, (?), Longfellow, Kurtz, Anderson

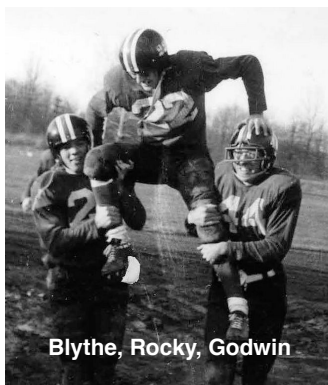
The significant thing about the second Principia game is that it was our second game of the year against them. We had won the first game at Rose by a score of 50 - 0. In the first game against Principia I scored four times on runs of 60, 41, 2 and 25 yards. I think we may have been overconfident during the second game.

As I think back about the close Principia game, I should have run more quarterback keeper plays. I don't recall that we had any, but we could have made them up in the

huddle. Remember, those were the days when the quarterback called the plays and we had a very smart football team.

Considering only the six games when Blythe was the quarterback (6-0-0), we outscored opponents 239 - 31. Clearly, we had a very strong defense allowing only 5.2 points/game for these six— as well as a good offense scoring 39.8 points/game.

Gene Blythe, our quarterback in 1957, was a very good athlete with great ability for passing, carrying out fakes and calling plays. I recall a fourth down play he called when we were on the opponents one foot line. The normal call in such a situation would be to call a dive play to get in the end zone. Blythe called a fake dive to me going over right tackle. After faking the handoff he dropped back and lofted a pass to me in the end zone that I caught one-handed with an outstretched hand just inside the end line.



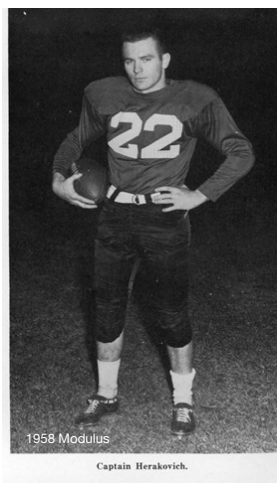
Days later a faculty member (Keith Nelson, an instructor in Chemistry) commented to me on what a great play it was. That was something unusual at Rose as faculty seldom commented on the football team. I believe that some of the photos that I have of Rose football were taken by Keith. Unfortunately, he was killed in an automobile accident in June 1958.

Another comment from a faculty member that I recall was from John Demeter an instructor in the Civil Engineering Department. John said to me “You look to be very calm out there, how do you stay so calm on the field during a game?” I took that as a nice compliment. I always took pride in being confident that I understood the situation and knew what to do next.

1957 Individual Honors

In 1957, I was team captain, and was selected as the team’s Most Valuable Player by the Indianapolis News Downtown Quarterback Club. After the season, I attended a luncheon in Indianapolis with Phil and the other Indiana Most Valuable Players and their coaches. This may have been the first time that I was present when Phil gave a brief speech.

I led the state of Indiana in scoring that year with 102 points. The leading scorer in the nation in 1957 had 132 points.



Having earned my third **R** letter I was given a red and black jacket with the large red **R**, a football and three bars, two white and one yellow indicating one year as captain. The jacket was very nice and I wore it quite a bit in cold weather. I was proud of it. The reader will see me wearing it in a picture that is presented later in a newspaper article leading up to the final game of my career.



Fall Course Load

My academic course load during the fall of 1957 was: Letters & Reports (3), Applied Mechanics I (5), Electrical Engineering I (3), Elementary Thermodynamics I (2), Modern Literature (2), Military Science III (3), and Economic Geography (2), for a total of 20 credit hours. This was a very typical academic load for most players with the exception of juniors or seniors who were not in ROTC.

1958: Undefeated Season 8-0-0

The 1958 team had three seniors including Mike Munro who returned to the team after being out in 1957 with an injury. The only two returning seniors from the '57 team were Bill Kuchar and me.

As I review the football team rosters now, sixty years later, I find it interesting that there were six juniors on the '57 team who did not play football as seniors in '58. Five of the six (John Davis, Jack Fenoglio, Ned Kurtz, Bob Mewhinney and Bob Jackson) continued their studies and eventually graduated from Rose. They simply decided not to play football as seniors — even though we were on a seven game winning streak. The one junior who did not return to school was Blythe. All six juniors made major contributions to our success in 1957.

We entered 1958 with a seven game winning streak and a very different team. Our quarterback Gene Blythe did not return to Rose for his senior year. Many of Gene's friends, myself included, tried very hard to get him to return for his senior year, but he just didn't have the confidence that he could handle the academics. As a result the team had two freshman quarterbacks, Dave Lindzy and Bob McWilliams. We had only three seniors on the team, Bill Kuchar, Mike Munro and myself. Only three players weighed more than 200 lbs (Kuchar, Munro and Don Scott).

Since both of our quarterbacks were going to be freshmen, Phil wanted me to call the plays. That didn't strike me as the thing to do. I knew that I wanted to score as much as possible, but I didn't want to be put in the position of calling my own plays. Phil agreed to go along with my wishes. It turned out well as both Lindzy and McWilliams did a very good job.

1958 Rose Football Roster											
Returning Players from 1957						New Players in 1958					
Name	No.	Position	Hometown	Year	Weight	Name	No.	Position	Hometown	Year	Weight
Anderson, Gary	23	Fullback	Caldwell, NJ	Jr.	171	Andel, Joe	42	Halfback	Batavia, IL	Fr.	175
Gilbert, Charles	52	Guard	Matton, IL	So.	178	Booher, Hal	30	Halfback	Armstrong, IL	Jr.	170
Gronberg, Bart	80	End	Batavia, IL	Jr.	175	Checkley, Bob	32	Halfback	Matton, IL	So.	157
Hallcom, Terry	73	Fullback	Zionsville, IN	Jr.	180	Coffin, Tom	25	Halfback	Auburn, IN	Fr.	160
Herakovich, Carl	22	Halfback	Whiting, IN	Sr.	151	Fahrenkamp, Larry	62	Guard	Noblesville, IN	Fr.	165
Hormuth, Tom	83	End	Evansville, IN	So.	178	Kingery, Dan	60	Guard	Brazil, IN	So.	173
Kostr, Ed	70	Tackle	East Chicago, IN	So.	183	Lindzy, David	31	QB	Mishawaka, IN	Fr.	168
Kuchar, Bill	72	Tackle	Morton Grove, IL	Sr.	219	McAninch, Jack	71	Tackle	Auburn, IN	Fr.	180
Michael, Bob	28	Halfback	Bay Village, OH	Jr.	172	McWilliams, Bob	20	QB	Indianapolis, IN	Fr.	140
Pike, Dick	63	Guard	Terre Haute, IN	Jr.	180	Munro, Jack	84	End	Indianapolis, IN	Fr.	185
Raquet, Allen	61	Guard	Columbus, IN	Jr.	168	Munro, Mike	75	Tackle	Indianapolis, IN	Sr.	239
Schreiner, Jack	85	End	Washington, DC	So.	160	Templeton, Joe	24	Halfback	Plainfield, IN	Fr.	160
Scott, Don	65	Guard	Danville, IN	Jr.	228	Wyrick, Jim	21	Halfback	Marshall, IL	Fr.	134
Stroupe, Woody	82	End	Louisville, KY	Jr.	176	Yochum, Bill	41	Fullback	Terre Haute, IN	So.	180
Tucker, Dick	50	Center	Terre Haute, IN	Jr.	180						

I can remember only one play when I was disappointed with a call one of them made. It was the game at Franklin that we won 12 - 0. For the play in question, we were on the one foot line and should have scored easily. The quarterback, I don't remember which one, called a play for a halfback who didn't play a lot to carry the ball straight ahead for the score. Unfortunately, the handoff was fumbled and Franklin recovered the ball.

Reviewing the roster sixty years later, I am struck by the fact that only two of the ten freshman on the 1958 team, Joe Andel and Jack Munro (Mike's younger brother), were still at Rose for their sophomore year and eventually graduated from Rose. Neither of the starting freshmen quarterbacks of the undefeated team became sophomores at Rose.

I don't know the reasons that so few of the freshman players continued as sophomores at Rose, and I don't know if they eventually graduated from college elsewhere. What it does demonstrate is that there was some validity in Dean Strum's comment "look at the man on your left, look at the man on your right, only one of the three of you will be here four years from now". This fact does not speak well for the Institute at the time. Did it do a poor job of admitting freshmen who were not well qualified, or did it do a poor job of teaching, or was it simply just trying too hard to give the appearance of being "tough"? Clearly, it was not a very sound approach to the economics of the Institute.

Fortunately, things have changed for the better as I write this in 2019. Graduation rates are now closer to 80%.

Front row: Kingery, Coffin, Checkley, Wyrick, Herakovich, Fahrenkamp, McWilliams, Anderson, Schreiner. Second row: Booher, Gronberg, Hallcom, Pike, Raquet, Michael, Gilbert, Hormuth, Kostra, Templeton, Lindzy, Anel. Third row: Mgr. Bennett, Mgr. Foss, J. Munro, McAninich, Yochum, Scott, M. Munro, Kuchar, Tucker, Stroupe, Mgr. McKenzie, Mgr. Dave Foss, Coach Phil Brown.

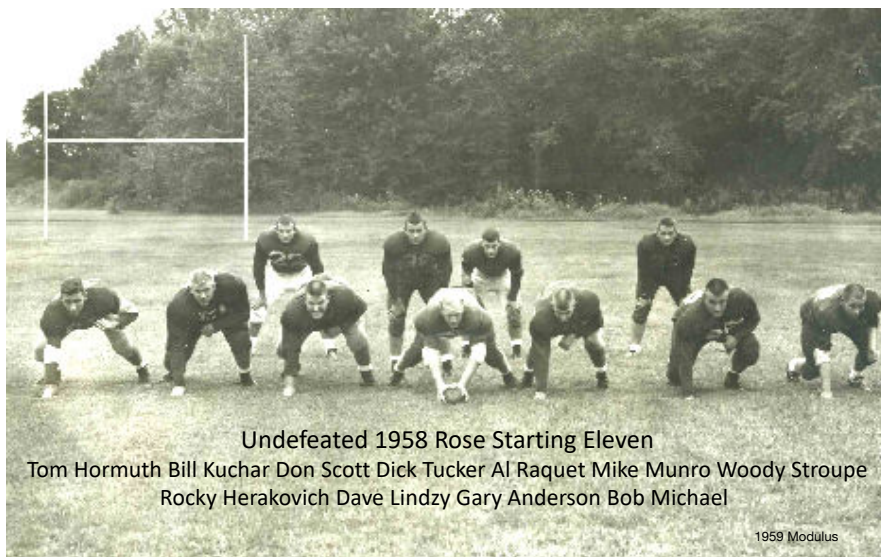


1958 Rose Poly Football Players

Pictures from the *Modulus*.







As the 1958 season began, I was in better physical shape than I had been in any previous football season — high school or college. I had spent six weeks at ROTC summer camp at Fort Leonard Wood, MO. That was a very physical training period with military style physical exercises every morning, followed by field exercises doing things like building Bailey Bridges over a creek, conducting a simulated attack on a location in the wooded hills of Fort Leonard Wood, or taking a long march. I recall that for one of those field exercises I was carrying an unwieldy machine gun that probably weighed at least 25 lbs.

Returning home to Whiting after summer camp, I made a serious effort to maintain, and improve upon, my physical condition. I recall that during one of my workouts, I was with a good friend Greg Doman. Greg told me that he had won a five dollar bet from a friend at Purdue University the previous fall when he bet that I would lead the state in scoring in 1957. I then told Greg that it was my goal to lead the nation in 1958. I probably had thought about that previously, but I don't think I had ever vocalized it before. The statement was more a reaction than a calculated plan. Recall that the leading scorer in the nation in 1957 had scored 132 points; I was only five touchdowns behind.

The 1958 season couldn't have gone much better. We were undefeated and won by scores of 42 - 0 (@ St. Procopius), 21-6 (@North Park), 78 - 6 (Eureka), 26 - 0 (Concordia), 12 - 0 (@ Franklin), 40 - 7 (Illinois College), 24 - 0 (Principia) and 27 - 12 (@ Earlham). I scored a total of 25 touchdowns, in five different ways: 17 rushing, 4 pass receiving, 1 pass interception return (we didn't call that a pic 6 in 1957), 2 punt returns,

and 1 kickoff return. In addition, I scored 18 points via extra points: 2 kicking, 14 by 2 point runs, and 2 by 1 point runs.

The difference in the value of extra points from scrimmage was due to the fact that the home team decided whether we were playing under NCAA or NAIA rules and the NAIA gave only one point for an extra point from scrimmage that year.

The Eureka game was possibly the most unusual game of my career. I only carried the ball 12 times, but scored 40 points: five touchdowns and five 2-point conversions. The touchdowns were 3 rushing and 2 receiving. The longest run was 53 yards and the longest pass went for 27 yards.

After the Eureka game, our third game of the season, I had scored 75 points - 25 points per game. Dale Burgess, an Associated Press sports writer in Indianapolis, noted this and took up the challenge to get my records recognized by the NCAA. Rose was not a member of the NCAA at the time. Burgess was successful and I will always be grateful to him.

Game 8 - Records On-the-Line

We entered the final game of the 1958 season on November 15, against Earlham College in Richmond, IN. We were 7-0 for the year and 14-0 over two seasons. One more win would give us an undefeated 8-0 season and 15-0 over two seasons. The only other undefeated season for Rose football was 1941 when the team had a 7-0 record. Earlham entered the game having lost fifteen games in a row over two seasons.



The game was played on a grey, overcast day with light snow, rain and a muddy field.

The Final Four Touchdowns

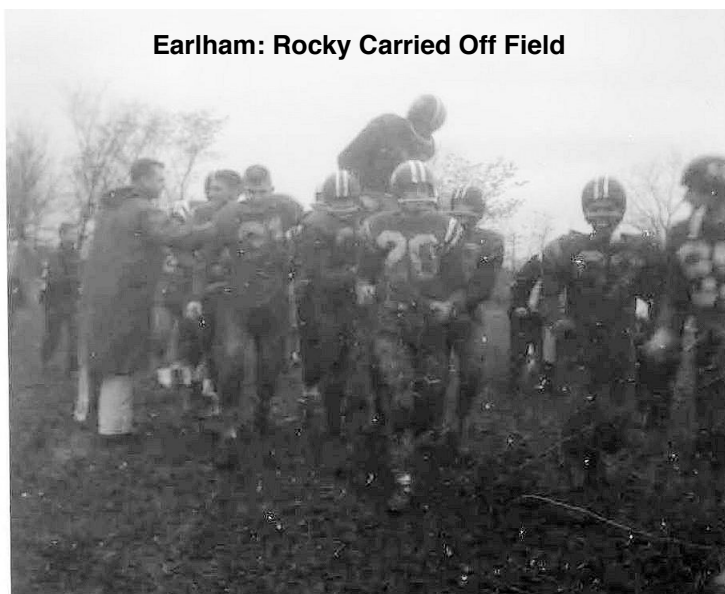
Early in the game I returned an Earlham punt for a 70 yard touchdown by cutting back across the field from near the right sideline (in front of the Earlham bench) to the left corner of the end zone. The Earlham bench complained bitterly that one of their players had been clipped during the run. I have no idea if that was true.

The second touchdown was scored on a one yard run behind tackle Mike Munro who had told the quarterback before the play, "Run him behind me, I'll get him in".

The third touchdown came in the third quarter. As was the case throughout the year, both quarterbacks, Dave Lindzy and Bob McWilliams, played a lot during the game. McWilliams was the quarterback on this particular play; he loved to throw the long bomb. And even though it was a wet and muddy field, he called for a long pass where I would go in motion to the right and make a bee line downfield at the snap. As he was calling the play, I started to tell him no, it was too wet, but then I stopped and said, okay, go ahead do what you want. Well, his call worked like a charm. I went in motion, turned upfield and faked out the defensive back with a feint to the inside; McWilliams hit me with a perfect pass for a 61 yard touchdown. Obviously, I was happy that I didn't tell him to change the call.



The fourth touchdown was actually scored three times. The first two times the play was called back because of a penalty. There were only about 20 seconds left in the game on the third try; it was fourth down on the six yard line. The team knew that we needed to score to break the record. The quarterback in the game at this time was Dave Lindzy. As we huddled for the final play, Lindzy said to me and the team, "Rock, what do you want to run?". I made up a new play on the spot. I had been running at left halfback for the previous, called-back score, that was a run to the right; we were now on the right hash mark with open field to the left. I said to Lindzy (and the team), I'll switch positions with Michaels (Bob Michaels was the right halfback) you roll out and pitch the ball back to me, you, Michaels, Gary Anderson (the fullback), and both guards (Scott and Raquet) pull left, all leading me around left end. The play worked like a charm and we scored. This showed how athletically smart and good the players were. We were able to draw up a new play on the spur of the moment and have it work successfully.



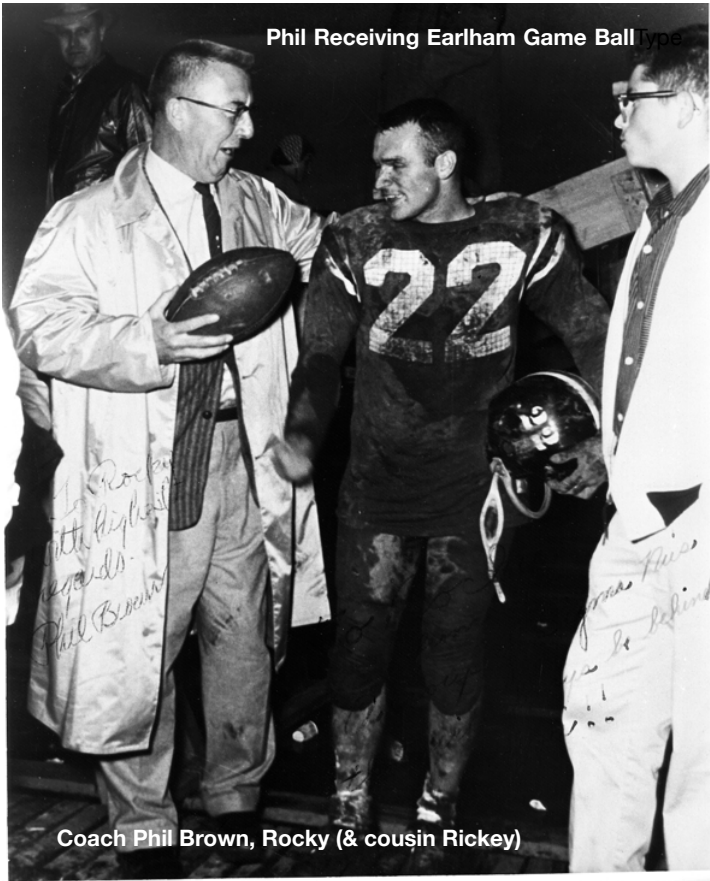
As I dove into the end zone several of my uncles were there to pick me up. They had come down from Whiting for the game. In all, approximately 20 of my relatives, including my parents (John and Julia Herakovich), attended that final game of my career.

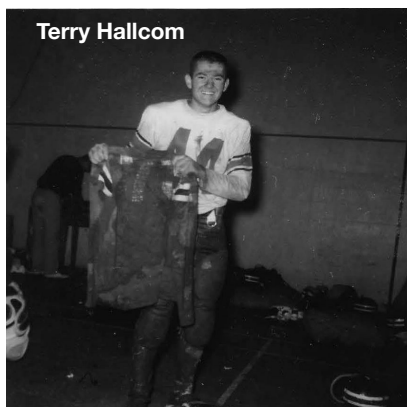
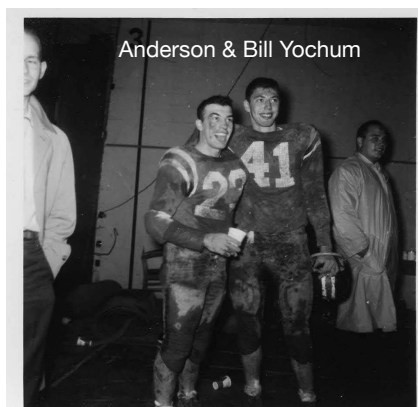
In the huddle after the final touchdown, Lindzy again asked me what play I wanted to run. I said, "Let Michaels take it in" — which he did.

I scored two additional points during the game on extra points for a game total of 26, and a season total of 168.

After the Earlham Game

I did not remember that both Phil and I were carried off the field after the game, but the pictures show that that was the case. It had been decided before the game that, assuming we won, I would present the game ball to Phil. As Bob Crisp's picture shows, Phil was a very happy fellow — as was I. Phil and I both signed copies of the photo and gave to each other.





Locker Room after Earlham

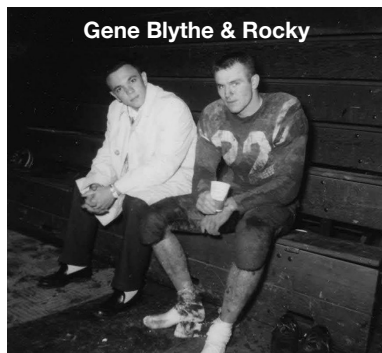
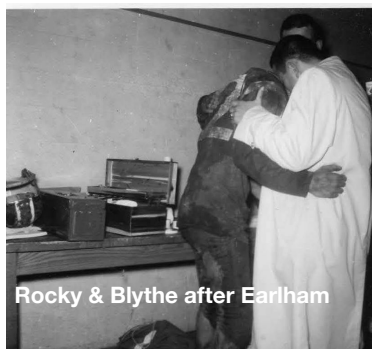
The pictures taken by Bob Crisp in the locker room after the game show just how happy the team was to have won the game and completed the undefeated season. We were full of mud, but very happy.

In the picture with Anderson and Yochum are Fred Ryker (left foreground), one my classmates, and Ron Reeves who had graduated from Rose in '58 and was now in the Rose administration. It is often surprising to me as to who shows up to support athletic teams. I knew Ryker well but considered him a very studious, rather serious individual. I didn't realize that he was interested in athletics. He was a fraternity brother of Gary Anderson and Bob Crisp (and others on the team) so on reflection, his presence may not have been surprising.

Reeves' presence at the game was not surprising. Ron was a very gregarious, outgoing individual and a rah-rah type of guy. He was always very supportive of the efforts of others. Later, he became an administrator at Rose for thirty years, rising to be Vice-President of Development and External Affairs. He was affectionately known as "Mr. Rose-Hulman" for his dedication to the college and it's students.

A happy Terry Hallcom holds his muddy jersey #73 (used as a lineman) that he wore over his clean jersey #44 (used when he was in the backfield) to fend off the cold, wet weather.

Gene Blythe, my very good friend who had left Rose after his junior year surprised me when he walked into the locker room. He had come over from Indianapolis. Gene was our quarterback during our successful junior year. As the pictures show, Gene and I had a very emotional reunion. When Gene came up to me, I released a lot of pent-up



emotion. I was delighted to see him, wished that he had been playing with us, and was happy that the tension of going for an undefeated season and a scoring record was finally over, — with a happy ending.

Richmond Newspaper Earlham Game Article

I find the Richmond IN newspaper article about the game to be a most interesting read. The article was written by Max Knight. My guess is that he either was still an Earlham student or a recent grad. He clearly was what might be called a “homer”. As I mentioned above, he had written “It was the work of fullback Bill Yochum that beat the Quakers”. Yochum had gained 58 yards on running plays into the line.

Prior to the Yochum comment, referring to me, Knight wrote, “The speedy backfield man earned all four of his touchdowns”. But in the same paragraph he says, “However, Rose Poly did set up Herakovich on all but one of his scores”. I’m not sure which one was not the “set-up”. Was it the 70 yd punt return, the 61 yard pass from McWilliams (which he says is from Anderson), or was it the final TD that we had to score three times because the first two times were called back because of penalties? He also claimed that if it were not for two extremely bad calls by the officials the game would have ended in a score of 13-12 with Rose winning.

Earlham Game Ball

Phil had the game ball signed by all members of the 1958 team. He also had a ball painted red and white and listed the 1958 scores on it. He kept both balls until many years later when he sent them to me saying that it was time to pass them on. In 2008, when the fiftieth anniversary of the undefeated season was celebrated, I presented the balls to Rose. They are now shown in a trophy case in the Sports & Recreation Center at Rose.

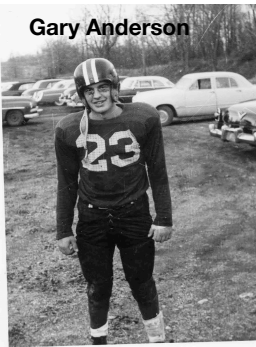


Gary Anderson

Gary Anderson (#23) was the primary fullback for the '57 and '58 seasons. We worked together exceptionally well. If Gary was leading me on an off-tackle or end run play, we always ran the play so that Gary would block the defender either in or out depending on how the defensive end was rushing. I always tried to set up the action in my first few steps so that the defender would commit, giving Gary a clear option.

We ran such a play the second time we scored the final touchdown in '58 only to have the official call Gary for holding on the play. Back in the huddle, Gary told me that there was no way he held. Knowing Gary as I did, I believed him.

Gary was an outstanding student, a great teammate and good friend. One of the interesting facts of my life is that Gary and I double dated the night I had my very first



date with Marlene Vukowich who is now my wife. Unfortunately, Gary Anderson died in an automobile accident in the summer of 1960, not far from Terre Haute, when returning on an after-graduation trip to Mexico with one of his class-mates.

1958 Individual Honors

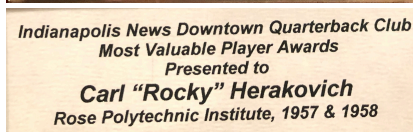
I was team captain; selected as Indianapolis News Downtown Quarterback Club Most Valuable Player; led the state and nation in scoring with 168 points in eight games (21.0 points per game); received a Ruel Fox Burns Blanket Award from Rose; was Honorable Mention, Little All-American; received letters of interest from three NFL teams (Washington Redskins, Pittsburgh Steelers and Philadelphia Eagles). The Ruel Fox Burns blanket had a large red R, a football with four bars, two white and two yellow indicating four years as a letterman and two years as captain, and the words: U. S. Leading Scorer, 168 pts.



As of 2020, the 168 points in a season continues to be the all-time record for Indiana college football — a record that has stood for sixty-two years. A little known fact is that the 21.0 points per game was the all-time record for all NCAA divisions for the thirty years 1958 to 1988. I didn't realize this until my son Doug pointed it out to me recently.



In 1985 I was inducted into the Indiana Football Hall of Fame, and in 1993, in the inaugural class for the Rose-Hulman Athletic Hall of Fame.

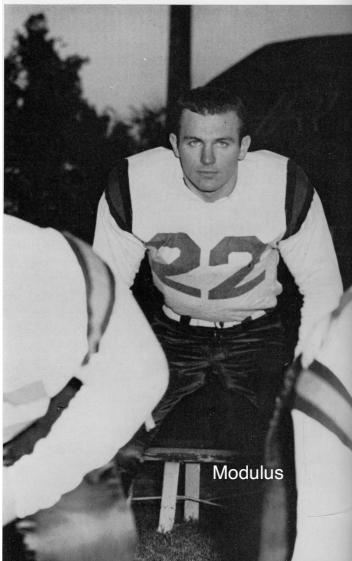


Aside:

In 1988, Barry Sanders of Oklahoma State broke my NCAA record when he scored 21.3 points per game during the eleven games of the Oklahoma State regular season. This was at a time when the NCAA didn't include bowl games in their statistics. Sanders' record is more impressive when the five touchdowns he scored in their bowl game are added to his totals. That gave him a total of 44 touchdowns and 264 points in twelve game for an average of 22.0 points per game. The more games one plays, the more difficult it is to maintain a high number of points per game. (Note that McGovern's 27.5 points per game were over six games; unfortunately, they were never entered into the NCAA record book.)



Captain Carl T. Herakovich, 1953 National Scoring Champion.



Senior Fall Courses

My senior year fall academic load was: Fluid Mechanics I (3), Structural Analysis II (5), Structural Design II (2), Applied Mechanics III (1), Civil Engineering Laboratory (1), Soil Mechanics (4), Military Science (3), and Advanced Strength of Materials (2), for a total of 21 credit hours. There can be no question that football was on my mind during this fall semester. I had the lowest grades of any of my eight semesters at Rose. I just squeaked by with a 2.05 GPA.

Publicity

The Terre Haute and Indianapolis newspapers gave the team quite a bit of publicity as our winning streak continued to be extended, and I surpassed my state leading point total from 1957. The clip below is a good example of the publicity that we received. Note that Herakovich is misspelled below the picture. That happened quite often.



COACH AND STAR PLAYER—The Rose Poly Engineers ramblbed past Illinois College, 40-7, Saturday to keep their perfect record intact. Two good reasons for the team's success are left to right: Coach Phil Brown and halfback Carl Herakovich. Photo by Charles.

Rose Poly Cops 40-7 Victory; Two Tallies for Herakovich

By BERNARD K. URY

Coach Brown's Rose Poly Engineers scored in every period Saturday afternoon to defeat Illinois College, 40-7. Rose's scoring offensive was led by Carl Herakovich with 13 points.

The longest run of the game was made by Gary Anderson, in the third period. He intercepted an Illinois pass and scampered 73 yards to score. Herakovich made dashes of 20, 15, 15, 19, 25, and 17 yards. At the start of the first period

	Rose Poly	Illinois College
Yards Rushing	291	81
Yards Passing	84	81
First Downs	18	9
Passes Attempted	18	15
Passes Completed	4	7
Passes Intercepted By	2	0
Points	40	7
Punting Average	40	28.4
Puntbles	2	0
Puntbles Lost	2	0
Penalties (Yards)	63	72

his reserve backs in the third quarter. Bob Checkley and Gary Anderson led this powerful offensive drive. Checkley passed to Bob McWilliams for the first touchdown in this period. Then the Illinois College eleven started an offensive drive to their own.

This was stopped when Gary Anderson intercepted a pass and pumped 73 yards for Rose's second touchdowns of this period. The Blue Boys lost the ball on downs as the third quarter ended. The score at the end of the third quarter was 24-7.

As the fourth quarter started

TRIBUNE Sports

Monday, November 3, 1958 Page 12.

Rose Is Indiana's Only Perfect Club

INDIANAPOLIS, Nov. 3.—(UP)—A weekend in which the upset ax dominated left Rose Poly Indiana's lone unbeaten and untied college football club today and Butler and Hanover one victory away from conference titles.

Butler, 20-14 winner over Evansville, was highly favored to nail down the Indiana Collegiate Conference crown at De Pauw Saturday. However, which derailed previously unbeaten Anderson, 14-12, on Dick Cross' conversions, must win at Franklin to claim the Hoosier College Conference title.

If Franklin wins, both Anderson and Hanover will tie for the title just as they did last year.

Rose Poly extended its winning streak to 12 over two seasons, trouncing Illinois College, 40-7, with Carl Herakovich adding 13 points for a total of 118, 8 more than last year when he capped state scoring honors.

"Big Three" Win.

All of the "Big Three" were successful for the second time this season. Notre Dame scuttled the Navy, 40-20, with George Igo doing a classy job in his first starting assignment as quarterback. He hurled three touchdown passes. Indiana won its first Big Ten victory, 60, over cellar-dweller Minnesota while crippled Gophers were shut out for the first time in 17 games, and Purdue's juncosous de-

Rose Poly Still Unbeaten, Untied

Continued From Page Twelve.

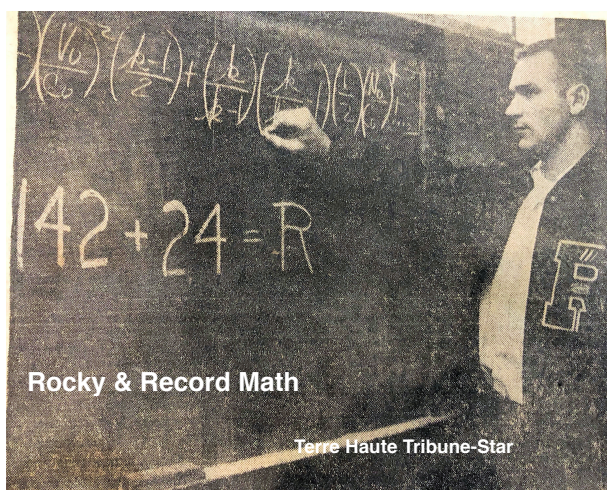
paraiso, Wabash with Southwest- ern, Anderson with Defiance, Georgetown with Earlham, and Rose Poly entertains Principia.

Indiana State broke an 11-game losing streak, upending Valparaiso, 14-12. DePauw became the first team to score on Rochester, N. Y., this season, although losing 20-6. Wabash, with quarterback Rudy Foltz passing for two tallies and scoring another himself, upended Bradley, 20-6.

In other conference action, Franklin edged Indiana Central, 21-19, and St. Joseph's upended Ball State, 7-0.

Three Ohio teams knocked off Hoosier foes — Bluffton blanked

Prior to my final game, newspapers were writing about the fact that I needed 24 points to break the Indiana record for points in a season. In 1942, Rose's Eddie McGovern had scored 165 points, in only six games. Like me, Eddie was coached by Phil Brown. The Terre Haute paper had me pose in front of a blackboard showing an involved, mathematical equation from fluid mechanics, and an equation showing what I needed to do to break McGovern's record, $142 + 24 = R$. I needed to score at least four touchdowns in the Earlham game in order to break McGovern's record.

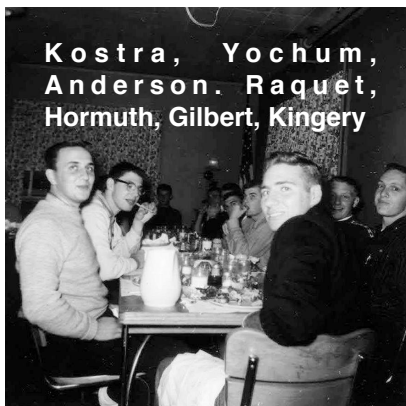
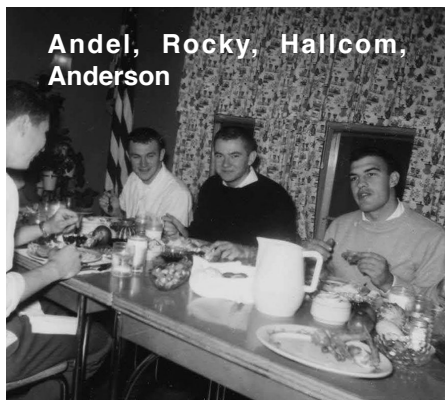


Football players who lived in a fraternity house would return to the fraternity (all were located in Terre Haute in the general area of South Seventh Street) after the meal time of other members was over. We would eat a reheated meal from that day's serving that had been prepared by the house mother. After eating dinner, I would often lie down on the floor in the fraternity house living room and read the local Terre Haute paper. I received a lot of ribbing from a couple of my (younger) fraternity brothers (mostly, Bob Checkley and Jimmy Gates) who said that I was just looking to see what the paper said about me that day. It was true that there often was a story in the paper that mentioned me more often than was justified. I do have a scrapbook of many articles about the football seasons.

Year-end Celebrations

After the season the Terre Haute Kiwanis Club recognized the undefeated 1958 Rose football team at a noon luncheon. The team also was honored with a steak dinner at the Saratoga Cafe; it was sponsored by Mike Ellis who was a good friend of Coach Brown. I thought that Mike had played for Phil, but I don't find him listed in the Rose alumni directory.

In addition to Coach Brown and the team, special guests at the dinner included a number of leading Terre Haute citizens. Attorney Dave Rosenfeld, Lt. Col. C. E. Cross, professor of military science and tactics at Rose, L. V. "Dutch" Letzkus, former superintendent of parks, Attorney N. George Nasser, William Leroy White and Forrest G. Sherer were in attendance. Col. Cross was the only representative from Rose. I do recall that the colonel was always very interested in and supportive of the football team.



An article on the dinner that appeared in the Terre Haute paper reported "Rocky spoke on behalf of his teammates and lauded them for making his scoring efforts easier". I can't say that I remember saying it quite that way. In my memory, I told the players "I was well aware of the fact that the scoring record was as much theirs as it was mine. I understood football well enough to know that it was a team effort, and couldn't thank them enough for all they had done supporting me".

The team presented Coach Brown with a transistor radio bearing the engraved inscription "To Pappy from the undefeated 1958 team".

Scoring Record Summary

The following table gives the details of how I scored points throughout my career at Rose. I scored in six different ways: rushing for TD, catching TD passes, returning intercepted passes for TD, returning punts for TD, returning kickoffs for TD, kicking extra points, rushing for 1 point extra points, and rushing for 2 point extra points. The points awarded for a rushing extra point from scrimmage was 1 point for games played under NAIA rules and 2 points for games played under NCAA rules.

Football Scores of Carl "Rocky" Herakovich at Rose Poly										
Game	Score	TD-rush	TD-Recpt.	TD-Int	TD-PR	TD-KOR	TDs	PA-kick	PA-Run	Points
1958										
@ St. Procopius	42-0	2 (40 & 45)	1 (40)				3		1 (@2)	20
@ North Park	21-6	1 (37)				1 (82)	2	1	1 (@2)	15
Eureka	78-6	3(3, 53, 3)	2 (6 & 27)				5		5 (@2)	40
Concordia	26-0	3 (4, 44, 11)					3			18
@ Franklin	12-0	1 (4)		1 (50)			2			12
Illinois College	40-7	2 (20 & 2)					2	1		13
Principia	24-0	3 (2, 1, 8)			1 (62)		4			24
@ Earlham	27-12	2 (1 & 6)	1 (60)		1 (70)		4		2 (@1)	26
1958 (8-0)	270-31	17	4	1	2	1	25	2	16	168
1957										
North Central	13-27									
Concordia	41-0	3(1,15,45)								18
Principia	50-0	4(60,41,2,25)								24
Illinois College	26-6	1(1)								6
Franklin	49-18	2 (25, 7)								12
Eureka	27-0	4(65,3,1,1)								24
@Principia (2nd)	20-19	0								0
Earlham	46-7	3(17,5,1)	1 (8)							18
1957 (7-1)	272-77	16	1				17			102
1957 & 58	542-108	33	5	1	2	1	42	2	16	270
1956										
Eureka	47-14	1 (80)		1 (50)			2			12
Illinois College	44-12	1 (45)					1			6
@Franklin	12-40									
@Ill College (2nd)	20-9	2 (10 & 23)					2			12
Principia	14-21									
1956 Totals	137-96	4		1			5			30
1956, 57 & 58		37	5	2	2	1	47	2	16	300
1955										
@Georgetown	7-7	1(5)					1			6
1955		1					1			6
1955, 56, 57, 58		38	5	2	2	1	48	2	16	306

I scored a total of 48 touchdowns: 38 rushing, 5 pass receptions, 2 pass interceptions, 2 punt returns, 1 kickoff return. A total of 16 points were accumulated via extra points. The total points scored over my career was 306. I also threw two touchdown passes, one to Woody Stroupe for 45 yds in 1957 and one to Frank Molinaro for 30 yds in 1956. Thus, I was responsible for 50 touchdowns and 318 points during my career.

Noteworthy items in the table include: for the 1957 game at Principia, our quarterback Gene Blythe was sick; I played quarterback for the entire game and didn't score any points; the game at Franklin in 1956 was the game for which Blythe and I overslept, we got to the game site just in time to suit-up and played without having eaten anything before the game; in 1956, I played in only five games as I was out with a hamstring injury for the first two games; only the last game of my freshman year is shown as I played little offense that year because the two starting halfbacks were the team co-captains.

The table of scores shows the rather fascinating fact that the total points scored by Rose in 1957 and 1958 differed by only two points, 270 in 1958 and 272 in 1957. During the fifteen game winning streak, we scored a total of 529 points for an average of 35.3 points per game.

Team Defense

On defense we played a standard 6-3-2 or a 6-2-3 depending upon the down and distance, and the type of offense our opponent was running.

The defense was outstanding during the winning streak. For the final seven games of 1957, our opponents scored only 50 points (7.1 points per game). In 1958, our defense was even better. Our opponents scored only 31 points over eight game (3.9 points per game). During the 1958 season, we held the opponents scoreless in half of our games. Only one team (Earlham) scored two touchdowns against us.

We led the NCAA Division II in total team defense in 1958 holding our opponents to an average of only 95.8 yards per game. The defense intercepted 21 of the opponents passes and allowed only 24 completions over the entire season, an average of three completions per game. This was second best nationally for Division II teams. For the fifteen game winning streak, our opponents scored a total of 81 points (5.4 points per game).

There can be no question that the fifteen game winning streak was due primarily to the outstanding team defense. When asked by the press, Coach Brown mentioned Don Scott, Bart Gronberg, Tom Hormuth, Gary Anderson and Al Raquet as being outstanding defensive players. Phil was very generous when he said that I was the "finest defensive player he had ever coached". He also went on to say that I was so smart "it's like having a coach on the field". It means a lot to me to know that I contributed as much to our defense as I did to our offense.

Phil's comment about my being a coach on the field may have had some influence on my eventually being asked to coach the Rose team in 1962.

Football Officials

The football officials who worked our home games tended to be the same officials from the Terre Haute area. As I was captain of the team for both my junior and senior years, the referee and I got to know each other as we would have a mini conference each time the options were presented to me as to whether to accept or decline the penalty. Cy Profitt was the referee for those games. He would call me Rocky and I got to the point where I would call him Cy.

I recall that on a number of occasions, later in a game when I was tired, on a very obvious situation, Cy would say something like, "Rocky, you want to take that don't you?" and I would respond, "Cy, you'd better go over all the options for me to make sure I get it right". I was trying to get as much rest time as possible between plays. Cy knew exactly what I was doing, but he went along with it and explained all the options.

Another thing I did to get rest time was to delay the kickoff after we had scored a touchdown. As I was the kicker in these situation, I had some control over how quickly the play started. I would line up the ball on the kicking Tee, return to the line with my teammates, and then decide that the ball was not properly alined. So I would go back to the ball, make a small adjustment, and then come back to the line with the other players and signal I was ready to kick the ball by raising my right arm. The referee (Cy) at the far end of the field would then blow his whistle for the play to begin and I would kick the ball.

It was only years later when I was a football official that I realized that there was a time limit within which the ball should be kicked after the ready-for-play signal from the referee. Normal practice is for the referee to give the ready-for-play signal (whistle) when he feels the teams are in position. Cy always waited for me to raise my arm before he gave the ready-for-play signal. I'm sure that we were never penalized for delay because I was adjusting the ball on the Tee.

When I was informed by Del Humphrey, the owner of the local Terre Haute athletic store, that I was to be inducted into the Indiana Football Hall of Fame, he asked me if there was anyone else who I would recommend for induction into the Hall. I told Del the one person I could think of was Cy Profitt. Del liked that Idea and Cy was inducted into the Hall with me and the others in 1985.

Cy is standing at the far right in the photo of Hall of Fame inductees that is shown later. I must say that when he was officiating our games some twenty-seven years before this photos was taken I thought of him as being thin.

Family Support

Only very recently I realized just how much support I received from the Herakovich and Buckley families during my senior season of football. My father made notes at every game listing how I scored points and the names of my relatives who attended each game. I had forgotten about these notes until I came upon them while working on this memoir. All of my relatives lived in Whiting or nearby so most of my games (except those in the Chicago area) were a 3-4 hour drive, each way, for them. Unfortunately, I don't remember talking to or thanking my relatives after the games. I do remember talking to my parents and my grandfather.

High school friend Greg Doman attended a game at Principia. He was the best man when Marlene and I got married. The total number of relatives and friends who attended the games added up to exactly 100. Note that the family name Rocky appears in the listing because three of my dad's brothers changed their last name to Rocky - something that I never liked. Copies of my dad's notes are in the appendix.

Family Members Attending Rose Football Games

Sept. 27 at St. Procopius: 17

John & Julia Herakovich
Dick, Dorothy & Rickey Rocky
Robert, Betty, Robert Jr, Betty Ann, David
& Kevin Herakovich
Loretta, John, Allen, Peter & Hruskoci
Grandpa Peter Herakovich
Ronald Burr

Oct. 4 at North Park College: 28

John & Julia Herakovich
Dick, Dorothy & Rickey Rocky
Loretta, John, Allen & Peter Hruskoci
Robert Herakovich Jr
Dorothy, Roy & Janet Roberts
Uncle Walter & Grandpa Herakovich
Rutz & Donald Herakovich
Marge, Ed, John & Ed Jr Sandrick
Marion & John McNamara
Jim, Mary Jane, Tim & Mary Kay Buckley
Jay Chrustowski

Oct. 11 Eureka at Rose: 6

John & Julia Herakovich
Grandpa Herakovich
Rickey Rocky

Oct. 18 Concordia College at Rose: 12

John & Julia Herakovich

Dick, Dorothy & Rickey Rocky
Loretta, John, Allen & Peter Hruskoci
George & Eleanor Rockey
Grandpa Herakovich

Oct. 25 at Franklin College: 3

John & Julia Herakovich
Grandpa Herakovich

Nov. 1 Illinois College at Rose: 3

John & Julia Herakovich
Grandpa Herakovich

Nov. 8 Principia College at Rose: 11

John & Julia Herakovich
Grandpa Herakovich
Dick, Dorothy & Rickey Rocky
Loretta, John, Allen & Peter Hruskoci
Greg Doman

Nov. 15 at Earlham College: 20

John & Julia Herakovich
Grandpa Herakovich
Dick, Dorothy & Rickey Rocky
Loretta, John, Allen & Peter Hruskoci
Jim, Mary Jane, Tim & Mary Kay Buckley
Marge, Ed, John & Ed Jr Sandrick
Kitty & Jay Chrustowski

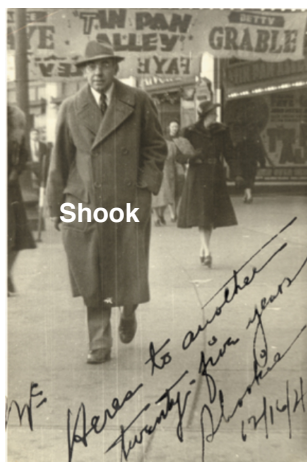
Recognition

Based upon the articles in my scrapbook and what I remember, Rose Poly did not offer up any official recognition of Phil Brown or members of the team immediately after the undefeated season and the fifteen game winning streak over two seasons. I would add that, other than possibly Phil, I don't think any of us expected school recognition nor were we disappointed that there was none. We were too busy with our studies.

Wilbur Shook

Several alumni expressed congratulations through letters and telegrams. I received two personal, hand-written letters from Wilbur Shook who earned a BS in Architecture from Rose in 1911, and an honorary Doctor of Engineering from Rose in 1956. He was a principal in the firm of McGuire and Shook in Indianapolis and the architect of Shook Fieldhouse. He sent letters after both the 1957 and 1958 football seasons.

I am told that he did not like traditional head shots. He preferred photos taken "in a context". The attached photo is his favorite; it is from the 25th anniversary of his firm in 1940. It shows him walking amongst the buildings and shops in downtown Indianapolis and is signed by him.



In 1958, Shook wrote:

"The Alumni are all very proud of you and the Rose Poly team this year. You have brought a great deal of favorable publicity to the school".

(See Shook Appendix for the letters.)

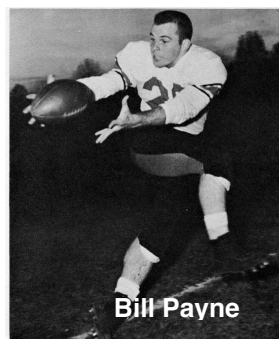
Mr. & Mrs Payne

In November 1958, Mrs James Payne, wife of Rose graduate James and mother of my teammate and Rose graduate Bill wrote:

"Congratulations on such a splendid football season. We are proud of you and your team mates. Bill has followed your games all season,"

(See the Appendix for Mrs. Payne's letter.)

Her son Bill was captain of the football team in 1956



and it was his car that Don Simpson used to drive Gene Blythe and me to the Franklin game when we overslept.

Coach Fowdy

Coach Fowdy was one of my Whiting High football coaches. He was my coach on the freshman team and, when I was a sophomore, he got approval from the teams we played for me to be the quarterback of the Whiting freshman team. This request and approval was based upon the fact that I was so small. It was good experience for me.

After the 1958 season, Coach Fowdy wrote:

Dear "Rocky",

First of all let me congratulate you on a terrific season. You have exceeded everyone's exceptions. Needless to say, everyone in Whiting, who is interested in sports, is proud of you and happy for you. You are a perfect example of what intelligence, talent and especially determination can accomplish. I know you shall succeed in any career that you choose to follow.

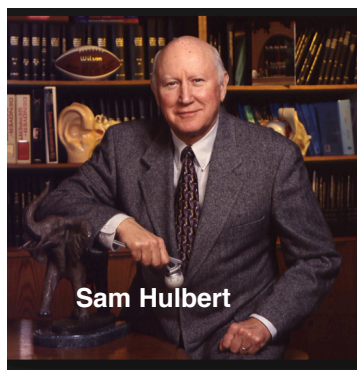
(See the Appendix for Coach Fowdy's letter.)

President Sam Hulbert

Sam Hulbert was President of Rose from 1976 to 2004. The Institute prospered under his leadership. Most significantly, he led the school in a transition to a co-educational institute. I wrote to Sam and the Board of Managers in 1986 supporting Sam's proposal to make the Institute co-ed. Jack Ragle, Chairman of the Board, thanked me for "a great letter". (see Appendix Co-Education for copies of letters).

Unfortunately, my 1986 letter did not convince a sufficient number of Board members and the proposal to go co-ed did not pass until 1991.

Although Sam came to Rose many years after the scoring records and fifteen game winning streak of 1957 and '58, he did recognize the value of such an accomplishment. He expressed this to me personally in several letters. (See Appendix Hulbert Letters)



Sam wrote twice in 1985. In the first letter he said the following after he received word that I had been elected to the Indiana Football Hall of Fame.

I want you to know that the faculty, staff and alumni of Rose-Hulman Institute of Technology are very proud of Carl Herakovich. I often find myself bragging about

your accomplishments as I travel around the country trying to spread the good news as to what Rose-Hulman is all about. Our school has a great heritage and one of the main reasons is Carl Herakovich.

In the second 1985 letter, after my induction into the IFHoF on the Rose Campus, he wrote:

Congratulations again on being inducted into the Indiana Football Hall of Fame this past Saturday evening.

The entire faculty and staff at Rose-Hulman Institute of Technology are very proud of Rocky Herakovich. Being an educational institution without a major research center or athletic teams that play on national TV, we have to be known through the accomplishments of our faculty, staff, students and alumni. Your many accomplishments have brought considerable favorable recognition to your school and all of us here on campus are indebted to you.

Sam's third letter was in 1992 after I participated in Rose's celebration of 100 years of football. Sam wrote:

Thank you very much for participating in Rose-Hulman Institute of Technology's 100th Anniversary football celebration. I greatly enjoyed seeing you again. Your remarks were terrific. I found your comments to be very inspirational. Thanks to people like Carl Herakovich, Rose Poly/Rose-Hulman has a great heritage.

The fourth letter was in 1993. Sam wrote:

Congratulations on being inducted into Rose-Hulman Institute of Technology's Athletic Hall of Fame. This is an exceptionally well deserved honor. I want you to know how very proud the Rose-Hulman faculty and staff are that Carl Herakovich is an alumnus of our school.

Your accomplishments while a student have made you a legend in your own time. Your accomplishments since graduation have done a great deal to help spread the good news about the quality of Rose-Hulman's people and programs.

You are a truly outstanding ambassador for our school. You are one of Rose-Hulman Institute of Technology's greatest heroes and you are certainly one of Sam Hulbert's greatest heroes.

Unfortunately, the very nice words from Sam did not carry forward. When I returned in 2009 for the 50th anniversary of the class of '59, my accomplishments were forgotten. Each "old" graduate was called to the stage where the President and the Academic Vice President presented us with a 50th anniversary medallion. The Vice President mispronounced my name badly, didn't refer to me as Doctor, Professor or Coach Herakovich, and never said a word about my athletic or professional accomplishments. When I got back to my seat, the Rose-Hulman professor sitting behind me said, "Are you Rocky the football player?"

Phil Brown - 1960 Modulus Dedication

The 1960 *Modulus* was dedicated to Phil Brown. I assume that this decision was made by the student run Modulus staff with guidance from faculty advisor Gordon Haist. The dedication follows:



Phil Brown, Rose's Man of Sports

DEDICATION

PHIL'S NAME has been synonymous with sports for thirty-one years at Rose. During his stay at Rose, he was admired by his boys for his coaching ability, but Phil was more than just a coach—he was practically a second father to them, and perhaps this is what they most remember about him.

Phil was admired by the student body of Rose, too. They remember his teams were always teams they could be proud of, winning season or not. They also remember his humorous speeches, as did many others, for Phil was in great demand as an after-dinner speaker.

Referees and opposing coaches also admired Phil Brown for his knowledge of sports and his great sportsmanship. He taught his boys to play hard but clean.

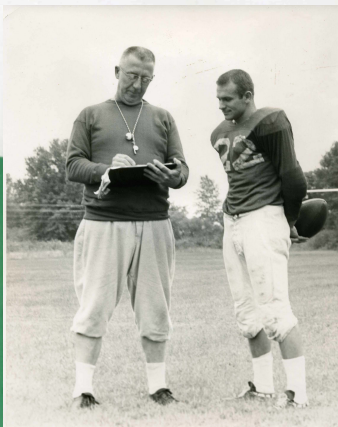
Phil was born in Indianapolis on March 14, 1901. He was graduated from Tech High School in Indianapolis and went on to Butler University where he received his A.B. in 1923. After coaching at Marshall, Illinois, High School and Washington College in Maryland, Phil came to Rose in 1928 as Athletic Director, a post he held for thirty-one years. For eighteen years he coached all sports at Rose, and he coached football and track until his retirement last spring.

Always dedicated to his job, Phil continually strived for the best facilities. The present fieldhouse, built in 1948, went a long way toward this goal, giving Rose the best indoor track in the state as well as a fine basketball court.

One of Phil's outstanding memories is beating ISTC in basketball in 1931; another is having two national scoring champions on his football teams—Eddie McGovern in 1942 and Carl Herakovich in 1958. "Pappy" closed his career in grand style with an undefeated season in football and with a win in the Rose Relays in track.

We will all miss Phil Brown, for with him goes a part of Rose—a part of us. Looking back, Phil writes, "Fondest memories: The men who played for me. Won and lost records have never meant much as compared to the welfare of the young men who gave so generously of their time and efforts. They are my memories. Instead of praising individuals or the college I wish only to praise '... the men who kept them bright!'"

**"Pappy" Brown briefs
"Rocky" Herakovich,
1958 national
scoring champion.**

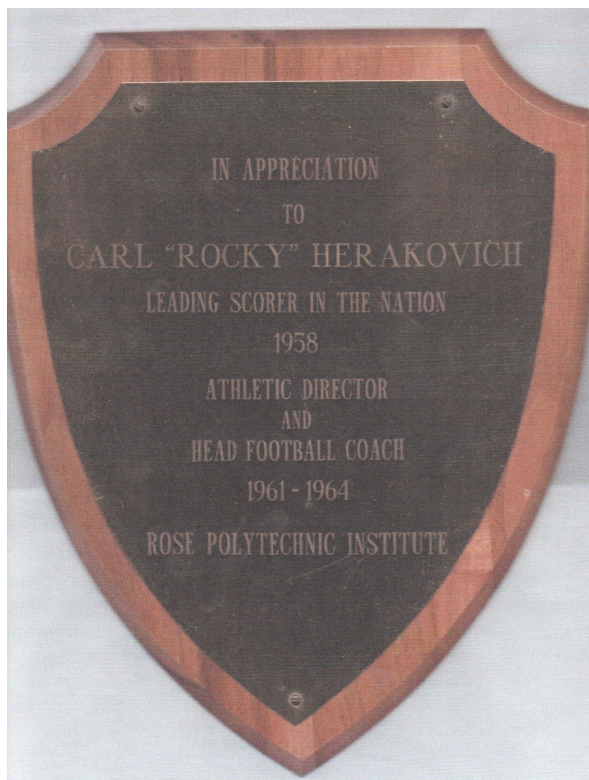


Plaque for Rocky

The only official recognition of my scoring accomplishments that I received from Rose was the Ruel Fox Burns blanket that Phil gave me with the scoring record shown on the blanket.

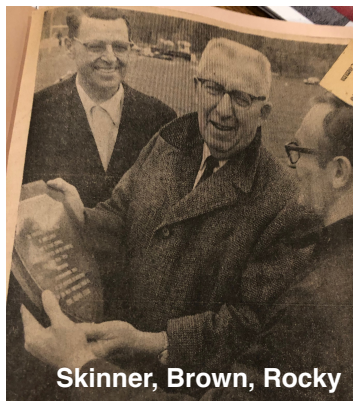
At some point during our work together, John Mutchner learned that I had never received anything more than the blanket from Rose. This amazed John and he took it upon himself to do something about it. I now have a plaque that John presented to me in 1964 after he succeeded me as Athletic Director.

John's amazement just might be the best example of the lack of appreciation by the Rose administration as to the value of what I and the football team had done for the school. Today, many major universities promote athletics as a way to enhance the reputation of their school. President Sam Hulbert certainly appreciated the value to the school of our accomplishments.



Phil Brown Football Field

At the 1969 Rose Homecoming football game, James Skinner of the Rose Board of Managers announced “in recognition of Phil Brown’s contribution to Rose, the Board of Managers officially approved that henceforth the Rose Poly football field will be Phil Brown Field”. Brown also was presented with a plaque designating him as “Mr. Football”. I had the honor of presenting the plaque to Phil.



25th Reunion of Undefeated Team

Rose organized a twenty-fifth year reunion to honor the undefeated team in 1983. Sixteen players from the 1958 team and coach Brown returned to campus for the reunion.

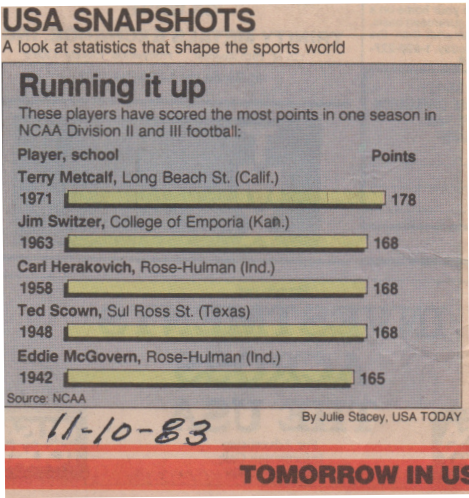


USA Today Recognition

On November 10, 1983, *USA TODAY* carried a chart on the front page under the heading USA SNAPSHOTS: *A look at statistics that shape the sports world.*

It was a listing of the NCAA Division II and III football players who scored the most points in a season. Carl Herakovich, Rose-Hulman (Ind.) was listed in a tie with two other players for second place at 168 points.

Eddie McGovern followed with his 165 points. Rose was the only school (and Phil Brown was the only coach) with two listings. This was an example of the national recognition brought to Rose by athletic accomplishments.



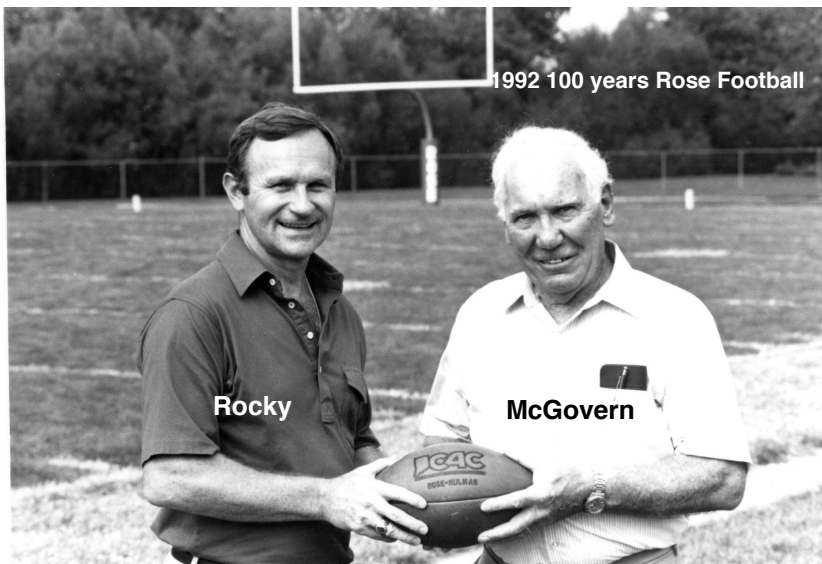
College Football Hall of Fame

Thanks to my sons Doug and Russ, as of August, 2013, a legacy brick in my honor is prominently displayed at the new College Football Hall of Fame in Atlanta, GA.



Rocky and McGovern

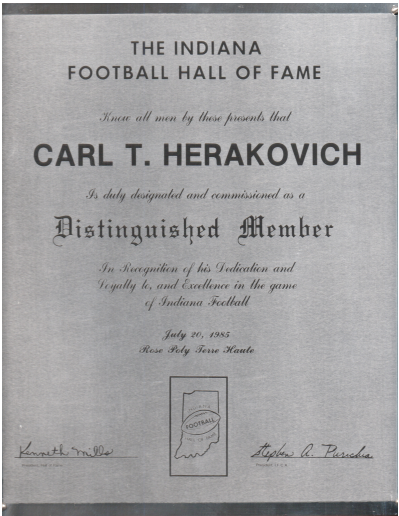
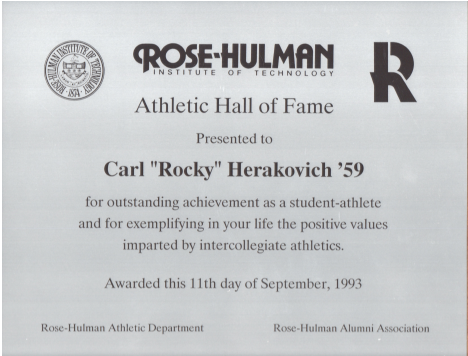
Eddie McGovern and I were together on three occasions. One was at our induction into the Indiana Football Hall of Fame in 1985. Another was when Rose celebrated 100 years of football in 1992. The final one was when we were inducted into the Rose-Hulman Athletic Hall of Fame in 1993.



On July 20, 1985, Phil Brown, Eddie McGovern and I were inducted into the Indiana Football Hall of Fame. The ceremony was held on the Rose campus in the Hulman Memorial Union (now the Mussallem Union).

A very amusing (to me) incident occurred at the Indiana Football Hall of Fame Induction. One of Eddie's sons made a point of telling me that Eddie scored his points in only six games resulting in a higher points per game average. I responded "as a Rose graduate I was able to and had done that calculation". It was all done in a very friendly manner with no hard feelings. I didn't point out to his son that it is harder to maintain a higher points per game average over a longer stretch of games. It is unfortunate that Eddie's records are not included in the NCAA record books. I can say that Eddie and I became good friends as a result of the few times that we were together.

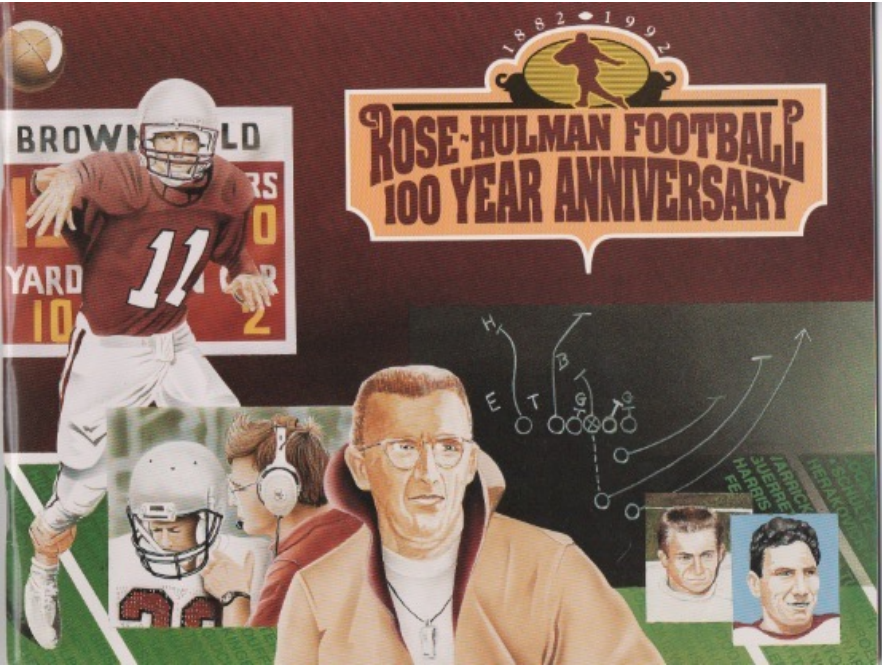
Many of my immediate and extended family were at the Indiana Football Hall of Fame induction. I have a note from Del Humphrey's assistant that she was enclosing 20 tickets to the event for me and my family. For the record, family members who I made motel reservations for were: my wife Marlene, my daughter Kristine, my three sons Brad, Doug and Russ, my mom and dad Julia and John, aunts and uncles Mary Jane and Jim Buckley, Betty and Bob Herakovich, Loretta and John Hruskoci, aunt Dorothy Roberts, cousins, Ronald Burr, Don Herakovich (and wife Rita), and good friends Sherri and Ron Rosin.





100 Years of Rose Football

When Rose-Hulman celebrated 100 years of football in 1992, Phil Brown, Eddie McGovern and I were on the cover of the Anniversary Program.



Baseball

I was the starting third baseman at Rose for my first three years. When baseball practice started during my freshman year, I couldn't hit the ball at all. I had been a reasonably good batter in high school, but couldn't seem to get my eye on the ball at Rose. I just kept missing the ball, not fouling it off, missing it. The baseball coach Jim Carr told me not to worry about it. He said it would come around. He was correct, I did get my batting eye before the games started.

Baseball trips seemed much harder than football trips. A major difference was that we did not stop at a restaurant for a meal on the way to the game(s). We ate sandwiches and cold drinks from a cooler in the bus on the way to the game(s). As I remember it, we often played double headers at sites like Principia that were 3-4 hours away. On such trips we probably left Shook fieldhouse by 6 am and probably didn't get back to Terre Haute until 9 or 10 at night.

One of my favorite memories of baseball was playing for several years with my good friends Larry Kirts (pitcher for three years) and Don Simpson (1st baseman for two years). Don saved me from many errors by catching my wild throws to 1st base. He is the same Simpson who gave Blythe and me a ride to the Franklin football game when we overslept.

Kirts and I shared a study room in the fraternity house for two years and were best of friends. I recall that on one baseball trip back from Principia, Larry and I had dates for a dance at Indiana State that night. As the bus would be coming through Terre Haute from west to east on the way to Rose, we had the bus stop and let us off in the center of Terre Haute where we had left a car. We then went to the fraternity house, quickly changed clothes and went to the dance. This probably saved us close to an hour of travel time out to Rose and then back to the fraternity house. Kirts was a very good bowler. On many Saturdays, he often spent the day at the bowling alley where he played for money. I recall that, at least once, he came home with more than \$200 which he put in a jar on a book shelf in our study room.



I was elected co-captain of the baseball team for my senior year, but decided that I couldn't play baseball. The football season that fall had been very draining and, among other things, led to the worst grades I had at Rose. After much consideration, I decided I just wasn't up to playing baseball that year. The long trips in a bus for a double-header at places like Principia, eating peanut butter and jelly sandwiches in the bus along the way, was more than I was up to. So, one day, walking through the main hall of what is now Moench Hall, I bumped into Jim Carr the baseball coach and told Jim that I was very sorry, but I wasn't going to play baseball during my senior year. Jim said that he fully understood. I was relieved.

Marlene Vukowich

I can't talk about my final two years at Rose without talking about Marlene Vukowich. I spent quite a bit of time with her in those two years and married her in April 1960, less than three years after we met.

It all started when I saw a picture of her in her East Chicago Roosevelt High School cheering uniform in the Hammond Times. Whiting, East Chicago and Hammond were adjacent suburbs of Chicago and the Hammond Times was the local newspaper that we all read. Since Whiting played athletic contests against Roosevelt, it was likely that she had cheered against me. The story about the picture said that Marlene would be a freshman attending Indiana State Teachers college in Terre Haute in the fall. I was very impressed with what I saw in the picture and decided that I should find a way to meet her.



The Rose football team always started practice about one week before classes started at both Rose and Indiana State. Indiana State always had the freshmen class report to school a few days early for orientation. We Rose men knew that there was always a dance at State for the new freshmen. Obviously, the dance might be a good opportunity for me to meet her before the upper classmen at State returned to campus. Remember, Rose was all-men at the time and we were in competition with the men from State.

We had two freshman football players from Roosevelt on our Rose team (Ed Kostra and Bob Drisner) so I asked them about Marlene and asked if they would come to the dance at State and introduce me to her. They did, and all worked out very well. I danced with Marlene, asked her out, and that is how we ended up double-dating with Gary Anderson a few days later. The first date was for a movie at a drive-in theater. Marlene confided later that she thought that Gary and I were kidding when we said that we played football at Rose.

A second date very soon after was a group picnic at McCormick's Creek State Park about an hour away near Bloomington, Indiana. As best I recall the picnic was attended by several Lambda Chi Alpha fraternity brothers and their dates and several Sigma Nu fraternity brothers and their dates.

Marlene and I began dating quite often during my junior year at Rose, her freshman year at Indiana State. As my home in Whiting was only about a 10 minutes drive from her home in East Chicago, we also had some dates while home for Christmas and other school holidays. By the end of her first year, we were seeing each other almost every day.

For dates while at home, we often went to Chicago with other friends who were home from college. Rush Street on the near north side of Chicago was a favorite place. I was away at ROTC summer camp at Fort Leonard Wood, Missouri for a good portion of the following summer, but we did write to each other often.

By the time we returned to Terre Haute in September for Marlene's sophomore year and my senior year, we were seeing a lot of each other. Living in the dormitory, Marlene had to be in by 10:00 on week nights and midnight on weekends. I had a car by then and somehow managed to take time away from studies to see her most nights.

Our typical routine was I would study for a time and then call her to see if she was available to join me for a cup of coffee. I would pick her up from her dormitory and we would go to a local drive-in restaurant where we would sit in the car and have coffee and French fries before returning her to the dorm at Indiana State before 10:00. I would then return to the fraternity house to study to 11:30 or 12:00.



We continued dating at home during the summer of 1959 before I reported for military duty at Fort Belvoir, VA, on her birthday which was September 1. We got engaged over Christmas when she was home from school and I was on leave from my military assignment at Fort Knox, Kentucky.

I was discharged from the army on February 29, 1960, and moved to Terre Haute where I had a job with the Indiana Highway Department. Marlene continued her studies at State graduating with a B. S. degree in August, 1960. We were married on April 23, 1960, and have been married for fifty-nine years as I write this. We have four children (Brad, Doug, Kristine, Russ) and eight grandchildren (Jamie, Alex, Andrew, Jack, Tucker, Cooper, Theo and Sophie) and three daughters-in-law (Gerri, Tammy and Laura) one son-in-law (Brian) and grand daughter-in-law (Sydney).

Epilogue: 1955-59

For me, attending Rose Polytechnic Institute, having the experience that I did on the football field, and meeting the woman who would be my wife for fifty-nine years, and counting, can only be attributed to serendipity — *“the occurrence and development of events by chance in a happy or beneficial way”*.

I attended Rose primarily for the purpose of obtaining an engineering degree. Even though I had been quarterback and multidimensional player on a high school state championship football team, I fully expected to go to college, study engineering, and not play football. All of that changed after Coach Kosalko told me about Rose.

And then, to end up playing on a team that won fifteen games in a row over my final two years, and setting the scoring records that I did, all because of the support from a coach and teammates that made it all possible is something that I have — and will always— continue to cherish throughout my life.

I can’t thank Phil and the players enough.

One of the things I am proudest of regarding my football career at Rose is the fact that I played all sixty minutes in my final two games — because when Phil told any of my teammates to substitute for me they refused. They wanted me to have every opportunity to break McGovern’s scoring record, to score a touchdown in any possible way. I hadn’t realized this about the playing time and my teammates refusal to substitute for me until one of my teammates (Hal Booher) told it to me a couple of weeks after the season. I’m sure my teammates feel — as they should — that the scoring record is theirs as much as it is mine.

And, of course, the most meaningful event during my undergraduate years at Rose was meeting Marlene Vukowich.

1962-64

March 1962

In March 1962, it had been nearly three years since I graduated from Rose Polytechnic Institute in June 1959 with a B S degree in civil engineering. Following graduation, I worked as an engineer at Inland Steel Company in East Chicago, Indiana for three months; spent a total of six months on active duty for training as a 2nd Lieutenant in the U. S. Army Corps of Engineers at Fort Belvoir, Virginia and Fort Knox, Kentucky. I was discharged from active duty on February 29, 1960. I then worked for five months as a civil engineer for the Indiana Highway Department stationed in Terre Haute, Indiana.

Marlene Vukowich was a student at Indiana State University in Terre Haute: she and I were married on April 23, 1960, at her home parish church (St. Mary's) in East Chicago, Indiana.

Marlene completed her undergraduate studies in August, 1960, and we moved to Lawrence, Kansas where I became a graduate student studying Mechanics at The University of Kansas. We welcomed our first son Bradley Thomas in Lawrence on January 18, 1961. We spent the summer of 1961 in Benton Harbor, Michigan where I worked on a fluid mechanics problem for Whirlpool Corporation.

In the spring of 1962, I was about to complete my master's degree. We knew that Marlene was pregnant with our second son Douglas Edward. I had interviewed with several companies and was about to accept a position with Caterpillar Inc. in Peoria, Illinois.

My future, and that of my family, was about to experience a rather sudden, surprising and you might say dramatic turn of events.

Invitation to Coach

On March 12, returning to the second floor room in the fluid mechanics laboratory at KU where graduate students had desks, I was given a message telling me that Herman Moench, the Acting President of Rose Poly had called and wanted me to call him.

Herman Moench was Dean of Engineering and Professor of Electrical Engineering during my time as an undergraduate at Rose. I knew him, but not all that well. I never had a course from him, but he was ever-present as Dean, always smiling, and well liked by everyone. I could only take a wild guess as to why he wanted to talk to me.



I talked to Marlene before calling Moench. We decided it would be best if I called him from home with Marlene listening to one side of the conversation - we didn't have a speaker phone in those days. When I called Moench later that same day he told me that Rose was looking for a new football coach and that I had been recommended for the job by one of my former teammates. He asked if I might be interested in returning to Rose as the football coach for the upcoming season starting in September.

I said yes, I was interested. There is no doubt that my life-long athletic interests and successes resulted in me thinking about being a coach when I was younger. However, it wasn't something that Marlene and I had been giving any thought to as I was finishing a master's degree in mechanics and ready to start a job as an engineer.

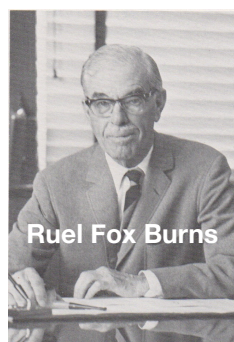
Phil Brown, my football coach at Rose, had retired after our undefeated 1958 season and Rose went through some difficult times — football-wise — in '59, '60 and '61. Max Kidd a retired Brazil, IN high school football coach succeeded Phil Brown as coach at Rose. Max had assisted Phil, on occasion, during the years I played at Rose.

Max's teams were 2-4-1 in 1959, 1-5-1 in 1960 and 0-8 in 1961. The team only scored six points over the entire season in 1961 and the scores were so lopsided that in many games the clock was run continuously in order to shorten the game time. Overall the scores in 1961 were in favor of the opponents 437 - 6. There were only eighteen players on the team at season's end. I didn't realize any of this in March 1962. Max Kidd appeared on the TV show "*What's my Line*".

Accepting Moench's invitation, I went to Rose for an interview in the President's office on Friday, March 30, 1962. Herman Moench was there as well as Ruel Fox Burns. Ruel was a successful 1915 Rose graduate, a rather dashing character, and a member of the Rose Board of Trustees. There were several other men at my interview, including Professor Ed Eckerman of Mechanical Engineering who was Acting Athletic Director. The tone of the interview was that I could have the job if I wanted it.

Aside:

The Ruel Fox Burns Blanket Award for Rose athletes is named after Ruel. The Rose web site lists me as the first winner of the blanket award. This is not factually correct. I know that there were some awardees before me; I also know that it was not given out every year back then. Phil Brown told me that it was a very special award, only given in recognition of unusual performance.



When I was told the salary they were considering (\$7,500), Ruel said they could add \$500 more if I didn't think that was sufficient. And even though Marlene was pregnant with our second son, I said no \$7,500 was enough. The reason I said this was that I had talked with Professor Al Schmidt the night before the interview and got a feel for what faculty were paid. Knowing that many

Rose faculty were not big fans of college athletics, I didn't want to be in the position where they thought I was getting special treatment. I wanted to be one of them. I accepted the offer with the stipulation that I could teach one mechanics course each term. I also agreed to be the track coach as Phil Brown had been.

On reflection, I should have asked for the additional \$500 and I should not have agreed to coach the track team. I believe that both of these decisions were made in a sense of loyalty and obligation to Rose.

I accepted the offer that came from Moench in a letter dated April 5, 1962. (see Moench Letters in the Appendix)

President Logan

John Logan officially became president of Rose on September 1, 1962, the same day that I officially became the football coach. However, we were both at Rose during the preceding summer and I was effectively working for him. I thought we got along very well. I really liked him. After I had been at Rose for several months, he asked me if I would take over as Athletic Director in addition to my other duties. The acting Athletic Director, Professor Ed Eckerman of the Mechanical Engineering Department, wanted to be relieved of athletic responsibilities.



Athletic Director

I accepted his offer and by the spring of 1963, I was head football coach, head track coach, athletic director and lecturer in Civil Engineering teaching one course each semester. As Athletic Director I had responsibilities for football, basketball, baseball, track, golf, tennis, cross country and intramurals. Working with me were Jim Carr who was the basketball, baseball and cross country coach, and Max Kidd (the former football coach) who was Director of Intramurals, golf coach and tennis coach.

A letter from President Logan, dated March 5, 1963, informed me that I was reappointed as Football Coach, and Lecturer in Civil Engineering; and I was appointed Chairman of the Department of Athletics for the coming year. (see Logan letters in the Appendix)

Til Panaranto

One of the first things I did in the summer of 1962 after arriving at Rose was hire Til Panaranto as athletic trainer and all-around aide for athletics. His athletic experience included time in the New York Yankees farm system as a minor league pitcher. He had

spent some time during one preseason at Yankee Stadium when Mantle and Maris were members of the Yankee team.

I wanted to have this person hired before the football season began. John Logan gave me the approval to hire someone to serve as athletic trainer and carry out other duties related to athletics.

When I told John that I wanted to hire a man who currently was a bartender at the Terre Haute House, in favor of another applicant (who happened to be African American), he expressed some concerns. After I explained the reasons that I thought Til was the best man for the job, Logan accepted my recommendation and we hired Til.

It was my opinion that Til had the better athletic background and experience, and I thought his out-going personality would be a big hit with everyone.

A side benefit to hiring Til was that he introduced me to Tony Hulman, owner of the Terre Haute House and benefactor to Rose. Til knew him quite well and was invited to Tony's afternoon Christmas Parties. Til took me to the Christmas party that year and introduced me to Tony. Tony and I chatted briefly.



Til had a number of responsibilities at Rose. He served as the athletic trainer, caretaker of the locker room, and did whatever else was asked of him related to athletics. For example, he cleaned football uniforms by taking them to a local laundromat. I believe that his wife helped him with that job

Til was a very gregarious, out-going individual. He liked people and they liked him. I can say that he lived up to my expectations. He was what I remembered as the typical Italian that I grew up with in my home town of Whiting. He was a perfect fit for the job. He loved Rose and stayed at Rose for twenty-five years before retiring. John Mutchner, who I hired as the basketball coach at Rose, relates that late one night, after Til died and following Til's expressed wishes, John buried Til's ashes at the fifty-yard line of the Rose football field. I assume the ashes are still there.

The following picture shows Til, his wife Norma Jean, my wife Marlene and me in 1992 at a reunion celebrating the 100th Anniversary of Rose Football.



Wil, Marlene, Rocky, Norma Jean

Basketball Coach John Mutchner

Following the 1962-63 basketball season, Jim Carr announced that he was retiring after sixteen seasons as the Rose basketball coach. I knew Jim well as I had played baseball for him and we worked together during 1962-63. President Logan asked me what to do with Carr; I encouraged him to keep him on and have Jim take over the duties that Max Kidd had during the previous year. Logan agreed with my recommendation and Jim continued to have a job at Rose. Max did not.

I now had the responsibility to hire a basketball coach. After reviewing a small number of candidates for the job, I selected John Mutchner. John was working in the business world in Richmond, IN at the time. His basketball experience included time served in the military in Europe where he drove around from base to base (in a sports car as he told me) giving rules clinics to military basketball officials. John also took over as baseball coach.

When I decided to retire from all my athletic responsibilities at Rose, President Logan asked, who would I recommend to succeed me as Athletic Director? I recommended



Mutchner

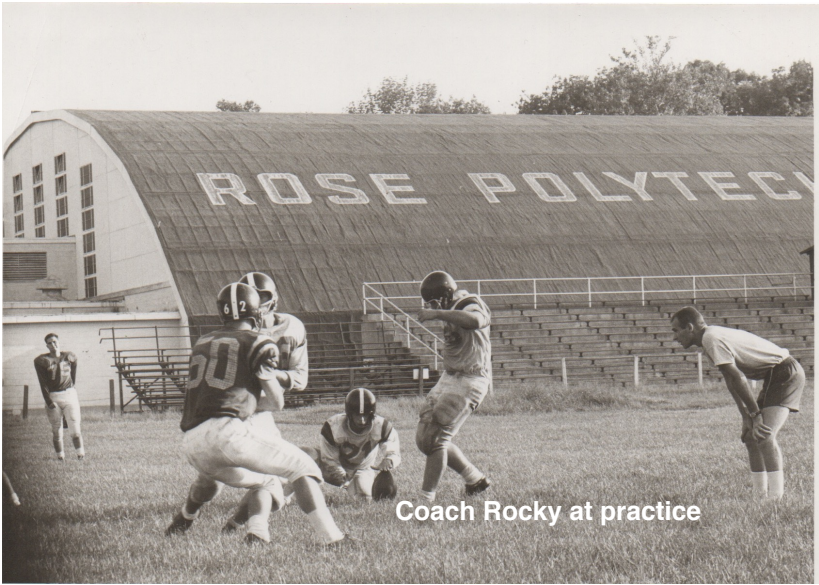
Mutchner and Logan appointed him soon thereafter. John had a long and distinguished career at Rose, including having the basketball court named in his honor.

I take great pride in the fact that the two people I hired at Rose (Til Panaranto and John Mutchner) were very successful and stayed at Rose as long as they did.

Coach

Football 1962

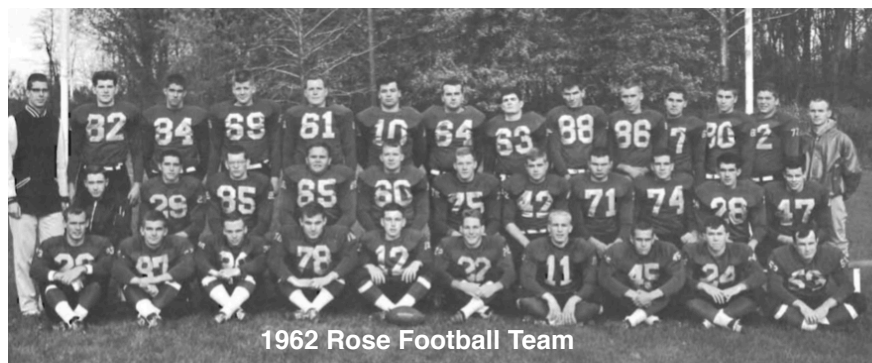
My first year as head football coach at Rose had some positive aspects, but I certainly wouldn't characterize it as a complete success. It was not easy essentially coaching the team alone, teaching an engineering course, and spending time with my young, growing family. Jim Carr was on the practice field at times prior to the start of his basketball season, but Jim really wasn't a football guy. I did get help from Jim and Til with things like taping ankles before practices and games.



We had 32 players for the team photo that first year, one senior, nine juniors, six sophomores, and sixteen freshmen. I was pleased that, compared with the previous year, so many decided to play. However, half the team were freshmen and the starting eleven included six freshmen - more than half.

The team showed improvement compared with the previous year. We managed to win one game (over Eureka), scored 62 points compared to 6 (a ten-fold increase), and lowered the opponents total points to 306 from 467 (35% improvement). And, we never had to run the clock continuously to reduce the playing time. The most disappointing aspects of the season were the games in which we were beaten soundly.

In view of the fact that we won one games as compared with none the previous year, I liked to say that our rate of improvement was infinite, $(1 - 0)/0$.



Row 1: Charles Yager, John Slack, Dwight Holobaugh, Pete Petrowsky, Larry Hall, Jeff Brugos, Vick Beattys, Dave Leonard, Bob Clark, Dave Randolph.

Row 2: Cheryl Mitchell, Mgr., Bill Lewis, Bill Teegarden, Gary Shillinger, Bob Blahut, Tim Meehan, Bob Rose, Mike Stucke, Pat Alden, Paul Goss, John Stewart.

Row 3: John Klausman, Mgr., Ron Decker, Joe Tynan, Woodrow Sutton, Mike Shoultz, Harry Slamkowski, Steve Hoffman, Richie Reeves, Mike Atkins, Gordon Phelps, Mike Vorkapich, James Abel, Paul Grafe, Coach Herakovich

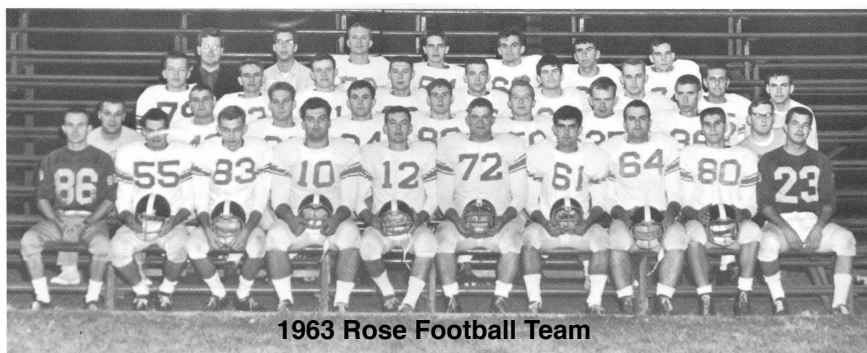
Football 1963

The 1963 season showed some improvement over the '62 season. We doubled the number of wins to two, lowered the opponents point total from 306 to 235 (23% improvement), and increased our points scored from 62 to 72 (16% increase).

After the first four games of the season, we were 2 - 2, on a two game winning streak, and had lost one of the previous games by only six points. We had scored 39 points compared with 52 points by our opponents. I was satisfied with our progress at that point in the season.

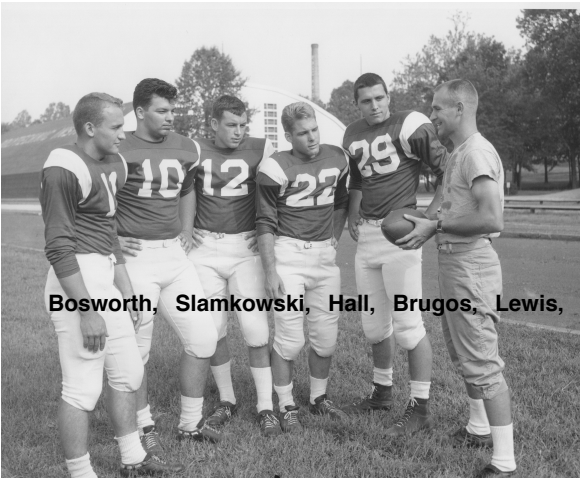
Over the last four games of the season, we were hampered by injuries and a transfer limitation on our starting quarterback. Most significantly, our very good sophomore starting halfback Bill Lewis missed the last three games because of injury, and Gib

Bosworth, our starting quarterback, was not permitted to play the games against Indiana based teams (Franklin and Earlham) because he had transferred in from Tulane where he had been on the football team. For the final four games of the season, we were outscored by our opponents 183 - 33 and lost all four games. That really did hurt.



- 1st Row: Coach Herakovich, John Stewart, Bill Kovacs, Harry Slamkowski, Larry Hall, Paul Grafe, Paul Goss, Steve Hoffman, Jim Abel, John Kabel (coach aide)
 2nd Row: Til Panaranto (trainer), Bob Rose, Jeff Brugos, Bob Clark, Dave Husung, Bob Blahut, Charles Baker, Gordon Phelps, John Katzbeck (Mgr.)
 3rd Row: ?, ?, Jack Flowers, Ken Kerchner, ?, Richie Reeves, Gib Bosworth, Dave Leonard, ?
 4th Row: Jim Dunn (Mgr.), John Klausman (Mgr.), ?, ?, John Slack, ?, Ernest Holt
 (Note: names were not provided in the Modulus. This is a "best effort" on names.)

One thing that has stayed with me all these years about my time as the football coach at Rose is that Bobby Clark was one of my players. Bobby was a good solid football player; a hustler who was very easy to coach. More importantly, he was an outgoing, fine, young man; I really liked him. Well, Bobby was in ROTC and was commissioned as a 2nd Lieutenant upon graduation. This was 1965 and the Vietnam War was in full swing. Unfortunately, Bobby's name is now on the Vietnam Veterans Memorial Wall in Washington, D. C. I have traced his name on the wall with my finger.



Bosworth, Slamkowski, Hall, Brugos, Lewis,



Terre Haute Star

Rocky's determination is evident as he encourages his men. (M. Rice)

Track 1963 & 1964

I agreed to coach the track team because Phil Brown had coached the team and I, mistakingly, took the attitude that the football coach also should coach the track team. The only experience I had with track was running a few races in indoor season in high school and college prior to the beginning of baseball season. It was a mistake for me to have taken on this responsibility.



Seated: Bob Haddix, Mgr., Larry Sachs, Jeff-Brugos, Dallas Hustler, Duane Wood, Bob Sandberg, Jerry Zinngröbe.

Standing: Larry Logue, Asst. Coach, Bill Lewis, Steve Watson, Bill Kovacs, Lee Klausman, Dave LaRue, John Lynn, Carl Herakovich,

Some of the outstanding track athletes I coached were John Lynn, Bob Sandberg, Larry Sachs and Duane Wood. I gained a lot of respect for these athletes as they basically practiced on their own following a personal training regiment that was mostly of their own design. It was a delight to work with them because they were so dedicated.

Larry Logue, my former classmate, fraternity brother and good friend was now an instructor in the Rose physics



department. Larry had run track in high school and at Rose. I asked him to help with coaching the team and he graciously accepted my invitation.



Row 1: Joh Lynn, Mike Brandriss, Leo Duszynski, Duane Wood, David Woodward, Bob Bonson, John Katzbeck, Mgr.
Row 2: Coach Carl Herakovich, David LaRue, Bill Lewis, Jeff Keeler, Steve Watson, Bob Sandberg, Asst. Coach Larry Logue
Row 3: Trainer Til Panaranto, Tom Newmark, Dallas Hustler, Lee Klausman, Pete Grafe, Joe Byrd. (Note: names were not provided in the Modulus. This is a "best effort" on names.)

Decision to Quit Coaching

My decision to quit coaching came about in surprising and unexpected ways. I had no plan to quit when the '63 season ended. In fact, after the season had been over for some time, I received a phone call from Jim Clause, the Terre Haute Tribune Star sports writer asking me if it was true that I planned to step down as coach. He indicated that he had been led to believe that this was the case. I told him, no that wasn't true at all, I had no plans to quit coaching. I never did learn who put that bug in his ear.

Some time after that phone call, John Mutchner told me that I had really lost it when reaming out the team at halftime of the homecoming game against Elmhurst. The score at halftime was 35-0 and I felt that the team had played very poorly. I saw a disappointing lack of enthusiasm and many instances where, in my opinion, the players made no effort to make contact. I know that I told them this at halftime, but I don't recall that I used all the colorful language that John said I did. Whatever I said, the team played a lot better in the second half; we scored two touchdowns and held Elmhurst to two touchdowns.

There is no question that what John told me had a major impact on my thoughts about my future as a coach. I realized that I didn't want to be a coach if I couldn't control myself better than, apparently, I did - at least according to John.

Another factor that came in to play was my thoughts when one of my players got hurt on the practice field and I didn't feel like I was prepared to handle the situation. It happened late in my second year. It was near the end of practice one day - it was almost dark - when the player stayed on the ground after a play with a severe neck injury. Initially he did not want to move. I was concerned that it was a very serious injury and I realized that I really didn't know how to take care of him. There was no athletic trainer on the field, and I didn't have any training on how to work with such an injury. Fortunately, it turned out that his injury was not serious. However, the incident did have a lasting impact on me.

When I combined these thoughts with thinking about the long-term future of our family (we now had two very young sons, Brad who had turned three in January '64 and Doug who would turn two in September) and the fact that I enjoyed teaching, I decided that I should quit coaching, return to graduate school to get my PhD, and get a job as an engineering professor.

Marlene had always been very supportive of my try at coaching, but was happy when I decided to give it up.

When I told President Logan that I planned to make my career as an engineering professor, he was very understanding and supported my decision. He also asked if there was someone that I would recommend to succeed me as Athletic Director. I told him that John Mutchner would do a good job. He asked me to tell John that he would

like to meet him for lunch in the student center that same day; he also asked me not to tell John why he wanted to talk. When I told John, he asked why the President wanted to meet him and I couldn't find it in me not to tell him. I felt that Mutchner and I had gotten along very well and I thought that, as a friend, I should tell him. It's clear now that I should not have told John the why.

A letter from Logan dated March 18, 1964, informed me that the Board of Managers authorized my promotion from Lecturer to Assistant Professor of Civil Engineering. He went on to say that he understood that I would be leaving the Institute at the end of the academic year to continue my doctoral studies. He offered congratulation on the promotion and wished me continued success.

A follow-up letter from Logan on April 4, 1964, advised me that I had been granted a three year leave of absence by the Board of Managers, had been relieved of my responsibilities for the Athletic Department, and that John Mutchner was appointed Acting Director of Athletics and Recreation.

Copies of the Logan letters are provided in an appendix.

Post 1964

Faculty Position at Rose

There have been a number of surprising and, at times, I must say disappointing developments in my interactions with Rose ever since the letters from Logan on March 18 and April 4 1964, advising me that I was promoted to Assistant Professor, relieved (as requested) from my responsibilities as football coach and Athletic Director, and had been granted a three-year leave of absence. Some of these developments did not get my full attention until I set about writing this memoir.

I wrote to Logan in October 24, 1966, telling him that progress on my PhD was proceeding on schedule and I was ready to consider teaching positions for September, 1967. Logan responded on November 22 that things were in a state of flux because Richard Pao, Chairman of Civil Engineering, had indicated that he may be leaving Rose at the end of the academic year. Logan said that he didn't want to commit to anything until the picture at Rose was clearer. He said he would follow up before the end of the year with specific prospects. He told me to stop by if I was in the Terre Haute area as he would like to have an opportunity "of reviewing our plans with you".

On March 28, 1967, a letter from Logan to me indicated that he understood from John Bloxsome, who I had spoken with in Chicago, that I had an interest in returning to my teaching position at Rose in the fall. Logan told me that at a review of the civil department's future with the new Acting Chairman Denny Sapp, it was decided not to add another member to the staff this year. He also indicated that the Mechanical Engineering Department will take over some of the duties teaching mechanics courses.

Logan went on to say: "I personally would like to have you back with us and will plan on keeping you informed as to future developments. However, I am afraid that there is nothing definite that I can offer you for the fall." (see Logan Letters in the Appendix)

This was happening in the spring of 1967 as I was nearing the completion of my PhD studies and needing to find a job to support my growing family. Marlene and I now had three children; Kristine had been born in June, 1966, and Marlene was pregnant with Russell who would be born in February, 1968. While I really wasn't all that interested in going back to Rose to teach, primarily because of its lack of graduate programs, I was hoping that it would be a fall-back job opportunity. Of course, I assumed that having been granted a three year leave of absence, there would be a position for me at Rose if I wanted one.

Pao did decide to leave Rose (he went to Case Western). Sapp then wrote on April 28, 1967, and told me they would have a position open in the fall in the area of fluid mechanics and hydraulics. He said that Logan had suggested that he write to me to see if I was interested in coming down for an interview. Clearly, since my PhD was in solid mechanics, I was not a prime candidate for a position in fluid mechanics. Never-

the-less, Marlene and I went to Terre Haute in early May and I interviewed for the position.

Meanwhile, I had been communicating with Dan Pletta, Head of the Engineering Mechanics Department at Virginia Polytechnic Institute in Blacksburg, Virginia since November 17, 1966. Dan and I agreed to meet at the Dearborn Street train station in Chicago on December 15, for a preliminary interview. Dan and his wife would be passing through Chicago, by train, on their way west for the Christmas holidays.

The meeting with Pletta at the train station went well. In January he invited me for an interview in Blacksburg. The Blacksburg interview went well and I was offered an Assistant Professor position in the Department of Engineering Mechanics at Virginia Polytechnic Institute in Blacksburg, Virginia beginning in September 1967. I accepted that offer and everything worked out very well for me and my family. I stayed at Virginia Tech for twenty years. Actually, it couldn't have been better.

I don't have any record (or memory) indicating how I told Rose that I would not be coming to Terre Haute.

1963 and 1964 Modulus

In the process of writing about my tenure as football coach and athletic director at Rose, it was helpful for me to review the 1963 and 1964 Modulus (the Rose year book). When I departed Rose, I left all of the records associated with my activity as football coach, athletic director and track coach in the files in Shook Fieldhouse. Unfortunately, I did not keep any team photos or rosters for my keepsake records. For some unknown reason, I did not keep a detailed scrapbook of the football seasons while I was the coach. Most probably, I was too busy with all of my responsibilities to Rose and my family.

The 1963 Modulus provided me with the essential items that I needed for 1962 football, a photograph of the team with the names of the players, and a brief discussion of the season's football games.

The '63 Modulus also showed a picture of the track team with me as coach. A separate section showed pictures of Jim Carr, me and Max Kidd as coaches. It did not list me as Athletic Director. However, John Bloxsome's ROSE: The First One Hundred Years (page 156) did list me as Director of Athletics in the John Logan Administration. The 1963 Modulus also showed my picture and listed me as a Lecturer in the Civil Engineering Department.

The 1964 Modulus was quite a different story. The section on athletic staff did not show my picture even though I had been the football coach, track coach, and athletic director. It showed pictures of Jim Carr and John Mutchner as the athletic staff.

In the section that discussed the 1963 football season, it did give credit for an improved team performance, but it misspelled my name twice in the first four lines as Herockavich. A photo of the football team was included, but names of the players were not provided. In the discussion about the track team it did spell my name correctly.

The total absence of any mention of my work as Athletic Director during the year continues to be a mystery to me. It is true that I relinquished those responsibilities in early April but I did lead the department through the summer of 1963 and for seven of nine months of the '63-'64 academic year. One can only wonder what was behind all this.

The '64 Modulus did show my picture (with correct spelling of my name) and list me as an Assistant Professor in Civil Engineering. So, they knew I had been promoted.

Women in Engineering

Rose-Hulman was an all-men's school for more than a century before it became co-educational in 1995 during the presidency of Sam Hulbert. Sam had pushed for the change for several years. The Board initially voted against the change, but relented later and approved co-education for Rose-Hulman.

I had suggested that women students be admitted to Rose well before the change was made. Many years ago, I was back for homecoming and at a meeting of alumni, I suggested that the school become co-ed. I had been teaching engineering classes with women students for several years by then and realized how good they could be. I don't recall the year or who was president at the time, but I do remember that Herman Moench was at the meeting. After I made my suggestion, Herman stood up and said that going co-ed was not possible because "it would cost too much to add women's bathrooms". That ended the discussion.

Years later, when President Sam Hulbert promoted the idea of co-education for Rose, I strongly supported his proposal. I supported Sam's recommendation primarily because of my experience teaching women in engineering classes. I remember one woman in particular at Virginia Tech. She was, by far, the best student in the class. I encountered many other women engineering students who did very well. Several of my former graduates students, both MS and PhD, are women.

If a school is to be the best, then it should have the best students. It is impossible to have the best students if all women are excluded from consideration.

I wrote to Sam telling him about my experience with female engineering students and encouraging him to push for co-ed education at Rose. I told Sam that Washington and Lee had just gone co-ed and their President John Wilson was a good friend and I was sure he would be happy to talk to Sam about the W&L experience of an all-male college making the change to co-ed.

I also wrote to Jack Ragle, Chair of the Rose-Hulman Board, in 1986 in response to the Board's request for input from alumni, indicating why I supported the change. My letter to Ragle and his response are presented in the Appendix. In Ragle's response to me, he appended a personal note "*Thank you Carl - a great letter*".

It took nine more years, but the conversion to co-education finally happened. I don't think there is any questions that co-education has improved Rose-Hulman. Opening up admission to women greatly increased the pool of quality students. And recent evidence points to the fact that women now are many of the student leaders at Rose-Hulman.

Herakovich Scholarship Fund

I have always been a very proud graduate of Rose and believe that the school did an outstanding job of preparing me to be an engineer and an honorable person. I developed a strong sense of loyalty to the school. I made (small) contributions to the school every year but one after graduation, including those years when I was a very poor graduate student. After both of my parents died (my father in 1987 and my mother in 1988), I fully funded a life insurance policy on me with the death benefit going to Rose to support a scholarship in their names. They were very supportive parents and had attended every one of my high school athletic contest and all but one of my football games at Rose (home and away)

Career as Engineering Educator

My career after leaving Rose provided me with a wealth of knowledge and experience in engineering education. After completing the PhD, I spent twenty years (1967-87) at Virginia Tech, rising through the ranks from assistant to associate to full professor. While there I conceived the idea of NASA-Virginia Tech Composites program and directed it from 1974 until 1987 when I moved from Virginia Tech to the University of Virginia in Charlottesville, VA. Ninety-one graduate students earned degrees through the NASA-Virginia Tech Composites Program. I also served as the first Director of the Institute for Materials Science and Engineering of the Virginia Center for Innovative Technology (CIT) (1984-86). At Tech I chaired the committee that recommended changing the name of the department from Engineering Mechanics to Engineering Science and Mechanics in 1972, and I chaired the committee that recommended the requirement of personal computers for all engineering students in 1984. I also served as the assistant ESM department chair for two years (1970-72).



I joined the University of Virginia in 1987 as professor of Civil Engineering with a two year appointment to the University's Center for Advanced Studies. Later I was appointed Director of the Applied Mechanics Program in the School of Engineering and Applied Science. And still later I was named as the Henry Kinnier Professor of Civil Engineering. I retired from UVA in 1998 as professor emeritus.

At both Virginia Tech and Virginia, I taught many undergraduate classes. During the first eight to ten years at Tech, I was heavily involved with teaching undergraduate

classes in statics, dynamics, mechanics of particles, dynamics of rigid bodies, mechanics of deformable bodies, fluid mechanics, fluid mechanics lab, materials engineering, materials testing, statics and strength of materials for architects, computational methods (Fortran programming), and mechanics of composite materials.

I became more involved with graduate education and research as the number of my graduate students and research funding increased, largely due to the success of the NASA Virginia Tech Composites Program. However, I did continue to teach undergraduate courses throughout my career. Fifty-four student completed MS or PhD degrees under my direction.

I have written three books: a major text *Mechanics of Fibrous Composites* (John Wiley, 1998), a historical review entitled *Mechanics IUTAM USNC/TAM* (Springer, 2016) and an introductory text suitable for students in STEM, non-engineering, and engineering *A Concise Introduction to Elastic Solids* (Springer, 2017). More than 130 scholarly papers and six additional books, as editor, were published.

During my career, I was involved heavily with professional engineering organizations. With the American Society of Mechanical Engineers (ASME) I served on the Executive Committee of the Applied Mechanics Division for five years with the final year (1996-97) being Division Chair. This was followed by a three year term as ASME Vice President of Basic Engineering (2001-04). I was Secretary and then President of the Society of Engineering Science (SES) (1983-92). I was a member of the U. S. National Committee on Theoretical and Applied Mechanics (USNC/TAM) for eighteen years (1996-2014), twelve of which (2000-2012) were as Secretary of the committee. The Secretary position was essentially a managing director position as other officers had only two year appointments. I was a U. S. Delegate to the International Union of Theoretical and Applied Mechanics (IUTAM) for fourteen years (2000-14), and a member of the IUTAM Congress Committee for eight years (2004-12). The IUTAM activity resulted in meeting at locations around the world and interactions with engineering and science professors from many countries.

I completed two sabbaticals in Paris, France, one at École Polytechnic (1980-81) and the second at École Normale Supérieure de Cachan (1993).

Participation with the USNC/TAM and IUTAM, the sabbaticals in France, and visits to many outstanding universities in the United States and around the world has given me exposure to a wide variety of engineering educators and institutions. These exposures were invaluable in forming my opinion as to the best practices for engineering education.

The above summary of my background in engineering education is provided in order to give context to my following assessment of Rose-Hulman Institute of Technology.

Afterthoughts on Rose

In view of my sixty plus years of experience in engineering education, combined with my varied, personal experiences at Rose, and my continued support of the school, I feel qualified, and in some sense obligated, to offer my assessment of the progress the school has made, as well as to offer my opinion of what I believe should be the direction of the school as it approaches the 150th anniversary in 2024. I have no doubt that my opinion about the future will not be shared universally by the greater Rose-Hulman community. However, I hope that my opinion will be given due consideration. It is intended to be a constructive, wakeup call.

At the outset, I must acknowledge that my career as an engineering educator has taken a much different path than that followed by Rose-Hulman. I have been heavily involved in graduate education, funded research, scholarly publications, and national and international science and engineering organizations. That is quite different from the emphasis at Rose-Hulman which is primarily limited to undergraduate engineering education.

As I look back over my sixty plus years of association with Rose-Hulman, I believe that the school made tremendous progress during the presidencies of John Logan (1962-76) and Sam Hulbert (1976-2004), a continuous period of forty-two years. During that time, MS degrees were re-introduced in 1965 after a hiatus of fifty-five years, the name was changed to Rose-Hulman Institute of Technology in 1971 in recognition of the contributions of the Hulman family, the school became co-educational in 1995 upon the recommendation of Sam Hulbert, the enrollment grew, following the recommendation of John Logan, from 400 in 1959 to 1,650 in 1997. The growth has continued; in 2019, there were 2,233 undergraduates and 71 MS candidates.

The undergraduate and MS degree programs have continued to expand, offering a wider variety of study areas. In 2019, the Rose-Hulman web site listed twenty-five areas of undergraduate study, and eight graduate degree programs. Clearly, the school has transitioned from an all-engineering school to a science and engineering school. Rose-Hulman Ventures is a very successful program giving students the opportunity to work on real-world projects related to technology-based companies.

The physical plant has expanded with additional dormitories, academic buildings, athletic and recreational facilities. In 2017, the size of the campus experienced a fivefold increase with the addition of the 1100 acre Hulman estate directly across highway U. S. 40.

However, Rose-Hulman has had five presidents and three interim presidents since Sam Hulbert retired in 2004. Two of the interim presidents eventually became permanent presidents. The longest tenure of any president during this time was five years. This level of instability in the president's office can have a significant, negative impact on the forward momentum of the school. It is rather amazing that the school has maintained

its number one ranking for undergraduate engineering education (for schools that do not offer the PhD) during this time. The faculty and administration are to be commended for maintaining such a fine record during a period of instability in the president's office.

For the twenty-first consecutive year, Rose-Hulman is ranked as number one (or tied for number one) for undergraduate engineering education in the U. S. News & World Report College Guide, for school that do not offer the PhD. The school also is ranked high in a number of other listings of desired attributes of U. S. colleges.

Rose often refers to itself as being ranked number one, but doesn't say much about being tied for number one, nor does it point out that it is number one in a very limited category of engineering schools. In one recent communication to alumni, the statement was made that Rose-Hulman is the best undergraduate engineering education *in the world* - with no qualifiers. I don't know where that ranking came from. I wish that Rose-Hulman would be more transparent when reporting the school's ranking.

For many years, I did not look into the details of the U. S. News & World Report ranking. I simply took pride in the fact that I was a product of the *best* undergraduate engineering school in the country. However, at some point during my teaching career, I began to wonder how it was that Rose-Hulman was ranked as the *best* engineering school (as typically reported by the school). When I looked more closely at the U. S. News & World Report, I realized that the number one ranking was limited to schools that do not offer the PhD. As I recall, the first time I looked at this, there were only fourteen schools in that category, and several of the fourteen were U. S. military academies. While the academies do offer engineering degrees and they do not offer the PhD, I'm hard pressed to call them engineering schools. There are many more than fourteen schools in the category today. Many schools have added program in engineering because of the emphasis on STEM (**S**cience, **T**echnology, **E**ngineering, **M**athematics).

Over time, I continued to wonder how it was that Rose was ranked number one. I wondered, how does the school compare with other engineering schools that I consider top-notch, and schools that I have been associated with? So, in retirement, I decided to see how Rose-Hulman ranked alongside a wider spectrum of engineering schools, not just those that do not offer the PhD.

I looked at eight categories that I (and I think the larger engineering community) consider important when evaluating the quality of an engineering school. I selected nineteen schools to compare with Rose, two non-PhD granting schools, ten private schools, and seven state universities. With help from folks in the Engineering Dean's office at the University of Virginia, I came up with the table below. The data is primarily from the American Society of Engineering Education (ASEE) for the 2017-18 academic year. Rose-Hulman ranks on the low end of the scale for acceptance rate, endowment, SAT scores, tuition, and student/faculty ratio. The categories where it is high on the scale are enrollment and degrees.

To me, the most astonishing result that I discovered is that Rose-Hulman ranks 20/20 in endowment. It is the second oldest non-PhD granting school, the thirteenth oldest private school (approaching its 150th anniversary year), and has an endowment of just over \$200 million. In comparison with the other non-PhD schools, Bucknell, which is older, has four times as much endowment, and Harvey Mudd which has been around for only half as long as Rose has fifty percent more endowment. Caltech, a younger, PhD granting school, has an endowment of more than twelve times that of Rose. The low level of endowment for Rose-Hulman impacts essentially all aspects of the school.

Rose-Hulman vs. Peer & Aspirational Engineering Programs								
(data reported for 2017-18 academic year)								
School	Year	Accept	SAT	Endowment	Enrollment	Tuition	Degrees	Student-Faculty
	Estab	Rate	25th-75th	(\$M)			Bachelor	Ratio
Peer Schools (Non PhD)								
Bucknell	1846	25%	1300-1473	\$801	682	\$56,092	167	10.3
Harvey Mudd	1955	15%	1470-1570	\$299	574	\$56,876	77	27.3
Rose-Hulman	1874	61%	1260-1450	\$206	2,027	\$47,571	497	17.3
Rose non-PhD Rank	2/3	3/3	3/3	3/3	1/3	3/3	1/3	2/3
Private Schools								
Brown	1764	10%	1430-1570	\$3,200	517	\$55,656	130	9.8
Cal Tech	1891	8%	1510-1600	\$2,600	440	\$52,362	169	4.3
Duke	1838	9%	1403-1578	\$7,900	1,265	\$55,960	315	11.3
Harvard	1636	-	-	\$37,100	1,013	\$50,420	302	11.1
Illinois Inst of Tech	1890	56%	1190-1350	\$242	1,380	\$47,646	332	18.9
Johns Hopkins	1876	13%	1440-1560	\$3,700	1,822	\$53,740	418	9.2
Northwestern	1851	9%	1410-1540	\$7,900	1,849	\$54,567	438	9.3
Notre Dame	1842	19%	-	\$9,700	1,421	\$53,391	428	10.8
Stanford	1885	-	-	\$24,800	3,432	\$51,354	674	13.2
Wash Univ. (St. Louis)	1853	14%	-	\$7,200	5,650	\$53,399	1,070	21.4
Rose Private Rank	8/13	11/11	8/9	13/13	3/13	13/13	3/13	10/13
State Schools								
Illinois	1867	-	1350-1520	\$1,800	9,337	\$15,998	2,145	20.9
Kansas	1865	86%	-	\$1,600	2,448	\$11,148	436	19.9
NC State	1887	53%	1310-1450	\$1,100	6,986	\$9,101	1,484	19.6
Purdue	1869	48%	1310-1460	\$2,300	8,918	\$10,002	1,684	24.7
Texas	1883	25%	-	\$3,700	6,019	\$10,606	1,170	21.8
Virginia	1819	29%	1300-1520	\$6,300	2,747	\$17,350	684	18.0
Virginia Tech	1872	73%	1270-1420	\$988	8,151	\$13,620	1,784	22.3
R-H Overall Rank	13/20	15/17	13/14	20/20	10/20	13/20	9/20	10/20

I ask myself, how can you be the *best* undergraduate engineering school, be the eighth oldest of thirteen private schools and yet have the lowest endowment?

One of the reasons that I was so surprised by the low endowment for Rose-Hulman was my firsthand association with the Jefferson Scholars Foundation at the University of Virginia. This foundation was established in 1980 with the aim to “identify, attract, and nurture individuals of extraordinary intellectual range and depth who possess the

highest qualities of leadership, scholarship, and citizenship". The 2016 Annual Report of the foundation reported an endowment of \$366 million, approaching twice that of Rose-Hulman, even though it had been in existence for one-fourth the time. The funds raised by the foundation are received almost entirely from individual donors. The assets of the foundation are used to provide four-year, full scholarships to approximately 35 new students each year.

Another category that surprised me was Rose-Hulman's acceptance rate. At 61% Rose-Hulman had the highest rate of acceptance of all thirteen private schools and was fifteenth out of seventeen for all schools reporting the data. In comparison, the other two non-PhD granting schools in the table had acceptance rates of 15% and 25%. The overall lowest acceptance rates were at Caltech (8%), Duke (9%) and Northwestern (9%). Again I ask, how is it that the *best engineering school* has such a high acceptance rate?

Tuition is the final category in the table that I will comment on. Once again Rose-Hulman ranks thirteenth out of thirteen with the lowest tuition for all private schools. Only one of the thirteen private schools had a tuition close to that of Rose-Hulman. For its peer group of the three non-PhD granting schools, the tuition at Rose-Hulman is the lowest by more than \$8,000 per year. Again I ask, how is it that the *best engineering school* has a tuition that is significantly lower than its competitors? With 2,000 students at Rose-Hulman, if it could raise the tuition by \$8,000 per year, it would have an additional \$16 million, each and every year. Of course, if it did raise the tuition, would it have to increase its acceptance above the current 61%?

My answer to the questions I raise is that the community at large, including prospective students and financial supporters, is not buying into what Rose-Hulman is selling. As commendable as it is to be ranked number one for undergraduate engineering education (*for schools that do not offer the PhD*), that hasn't translated into a reputation that attracts a particularly large number of highly qualified students, nor financial supporters willing to make truly substantial commitments to the school.

The next question then is, should Rose-Hulman do something to improve its reputation? Would improving its reputation result in higher endowment and a larger number of highly qualified, students applicants? If the answer is yes, then what can or should the school do?

It is my belief that Rose-Hulman would improve its reputation considerably by expanding its offerings to include the PhD degree. If Rose-Hulman had a small, elite PhD program, it would be sending a stronger message that it is at the forefront of engineering education. The school itself puts a high premium on the PhD by bragging that 99% of its faculty have a PhD.

If you really are the best engineering school then why not offer the highest level of education in your field?

I am told that the Rose-Hulman faculty is not in favor of having a PhD program. As scientists and engineers, they must recognize the importance of the low rankings in the table I have presented - the data tell a consistent story. If not the PhD, then what does the faculty offer as a way to improve Rose-Hulman's endowment, acceptance rate, and tuition? For a school to truly be number one, it must have a higher ranking in these categories.

I submit that Rose-Hulman should give more attention to Robert Browning:

"Oh, but a man's reach should exceed his grasp, or what's a heaven for?"

Appendices

4 Certificate of Admission to Rose

Certificate of Admission

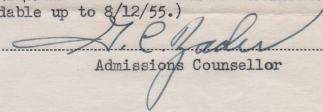
TO

ROSE POLYTECHNIC INSTITUTE
TERRE HAUTE, INDIANA

Name Carl Thomas Herakovich Date May 2, 1955

Address 1622 Central Avenue
..... Whiting, Indiana

I am happy to inform you that you have been assigned a place in the freshman class to be admitted
on Sept. 12 1955. Your deposit of \$5.00 has been credited to your name.
(Refundable up to 8/12/55.)


Admissions Counsellor

The following information appears in our records.

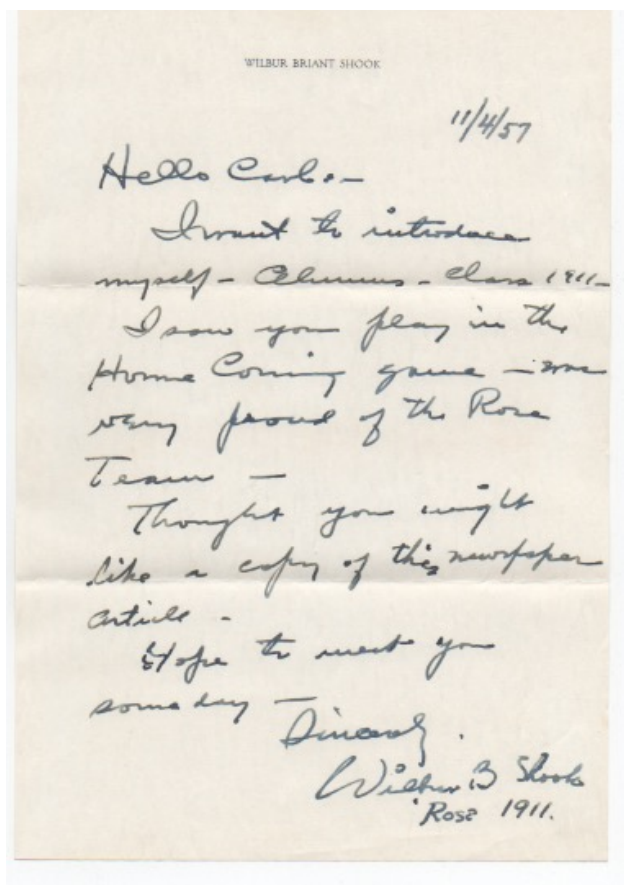
Admission approved with a deficiency in supplementary certificate

Veteran no Married no Single yes

Reservation for: Room yes Apartment

Shook Letters

Shook: November 1957



Shook: November 1958

WILBUR BRIANT SHOOK

Nov-20-'58

Dear Carl :-

Thought you might like
an extra copy of the enclosed clipping
for your scrap-book.

The Alumni are all very proud
of you and the Rose Poly team this year.
You have brought a great deal
of favorable publicity to the school.

I assume you and Phil Brown
will be at the Indianapolis P.B.
club at the annual meeting - I am
a member but because of illness
I will not be able to attend. In
fact I have had to miss all the
games this Fall.

Again my Congratulations !

Sincerely
Wilbur Shook, '1911'

Moench Letters

Moench: March 14, 1962

ROSE POLYTECHNIC INSTITUTE
TERRE HAUTE, INDIANA

OFFICE OF THE PRESIDENT



March 14, 1962

Mr. Carl T. Herakovich
Department of Engineering Mechanics
University of Kansas
Lawrence, Kansas

Dear Carl:

Our telephone conversation of last Monday afternoon was very heartening to me. I was delighted to know that you may be definitely interested in an appointment as football coach at Rose. The Board of Managers feels quite strongly that there is need for vigor and youthfulness in the entire athletic program to develop enthusiastic participation by students.

It would be helpful to have from you a personal resume' with such biographical items as your participation in sports in high school and college, together with a detailed chronology of your work and graduate study since completing the civil engineering curriculum here.

After we have had an opportunity for the Academic Committee of the Board of Managers to study the entire situation I hope we can arrange for you to visit the campus at our expense to explore details in greater depth. I believe that there is a real challenge in the sports program, both intercollegiate and intramural, here at the Institute and I believe the morale of the entire student body could be much improved by greater enthusiastic participation. I hope that things are going well in your program of graduate studies and that you will be in a position to complete your master of science degree soon. We shall be looking forward to hearing from you.

All good wishes.

Yours truly,

A handwritten signature in dark ink, appearing to read "Herman".
Herman A. Moench
Acting President

HAM:PG

Moench: April 5, 1962

ROSE POLYTECHNIC INSTITUTE
TERRE HAUTE, INDIANA

OFFICE OF THE PRESIDENT



April 5, 1962

Mr. Carl T. Herakovich
2138 Pennsylvania
Lawrence, Kansas

Dear Mr. Herakovich:

It is a pleasure to report that the Board of Managers of Rose Polytechnic Institute has authorized your appointment as Coach of Football effective September 1, 1962. The conditions of employment at Rose Polytechnic Institute are outlined on the attached sheet and also enclosed is a statement of the Tenure Policy which has been adopted by the Board of Managers. This offer is made in accordance with our conversation with Dr. Richard F. Bergmann, Chairman and Mr. Ruel F. Burns, Sr., member of the Board of Managers, here at Rose last Saturday.

In this position your primary responsibility will be the intercollegiate football program at Rose. As a member of the staff of the Athletic Department you will report to Professor Edward H. Eckerman, Chairman of the Athletic Committee of the Faculty who has also been designated as Acting Director of Athletics for the academic year beginning September 1, 1962. It is expected that the scope of your activities and responsibilities will grow as your service to Rose continues.

As a member of the faculty you will hold the academic rank of Instructor. It is hoped that a satisfactory schedule can be arranged so that you can teach perhaps one three-hour course each semester in the Department of Civil Engineering and from time to time enroll in graduate level courses to continue your professional advancement. Dr. Richard H. F. Pao of the Civil Engineering Department will be in charge of your teaching assignments.

Your annual salary in this appointment will be \$7,500.00. It is payable in either twelve or ten equal installments. All salaries are subject to certain percentages of withholding under existing tax laws and the allowance for moving expenses of \$400.00 which was agreed upon in our conversation is also considered as taxable income by the Internal

Moench: April 5, 1962, page 2

Mr. Carl T. Herakovich
Page Two
April 5, 1962

Revenue Service. The allowance for moving expense will be paid as soon as you present a request for payment indicating that your household goods are packed for shipment.

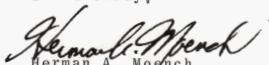
Upon completion of three years of service or upon promotion to the academic rank of Assistant Professor you will become eligible for participation in the Teachers Insurance and Annuity program which is also described on the attached sheet describing conditions of employment.

We shall be glad to assist you in obtaining engineering employment in the Terre Haute area during the summer months of 1962 and to help you find suitable housing. Mrs. Mary Collier, Receptionist, maintains a file of information on the housing possibilities. She has reported to me that the home of Harold G. Zambell on Brown Avenue is presently available for sale. Other properties for rent and for sale will be listed as the end of the academic year approaches.

You are encouraged to participate in one or more coaching conferences or seminars during the summer months, preferably in August. With prior approval from the Office of the President, the Institute will pay your registration, actual living and travel expenses while attending such seminar or conference and also pay your salary, for the time you are so engaged, at the rate of \$625.00 per month.

All of us here at Rose will be delighted to have you join us in building a vigorous athletic program, both intercollegiate and intramural. I pledge you our enthusiastic cooperation and support. Please feel free to call me collect if you have any questions.

Yours truly,


Herman A. Moench
Acting President

HAM:PG

Moench: May 18, 1962

ROSE POLYTECHNIC INSTITUTE
TERRE HAUTE, INDIANA

OFFICE OF THE PRESIDENT



May 18, 1962

Mr. Carl T. Herakovich
2138 Pennsylvania
Lawrence, Kansas

Dear Rocky:

All of us here at Rose are greatly cheered to know that you will be with us soon and will take over the football coaching duties next fall. If you arrive by June 5 or 6 you will be able to visit us at the time of Commencement on June 9 and perhaps even do some sizing up of likely candidates for the squad.

As I reported to you by telephone the Board of Managers has approved the increase of the expense allowance for travel and moving to Terre Haute from Lawrence, Kansas to a new figure of \$600.00.

Enclosed is our check in the amount of \$86.00 and with it goes my sincere apology for delay in getting out the voucher. It seems that there have been endless meetings, conferences and out-of-town trips in the time since you were here.

Your appointment has received good coverage in the local papers and a big spread in our Rose publication such as the Explorer and the Rose Echoes. Please let me know of any way in which we can be helpful.

All good wishes.

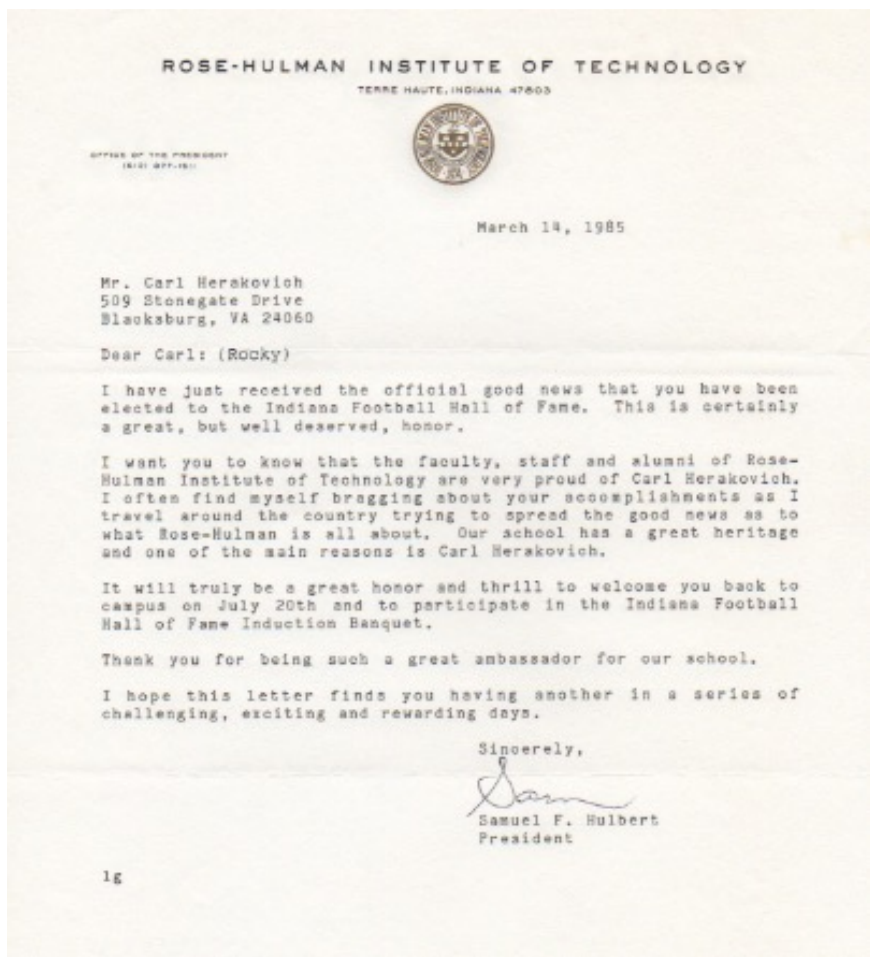
Yours truly,


Herman A. Moench
Acting President

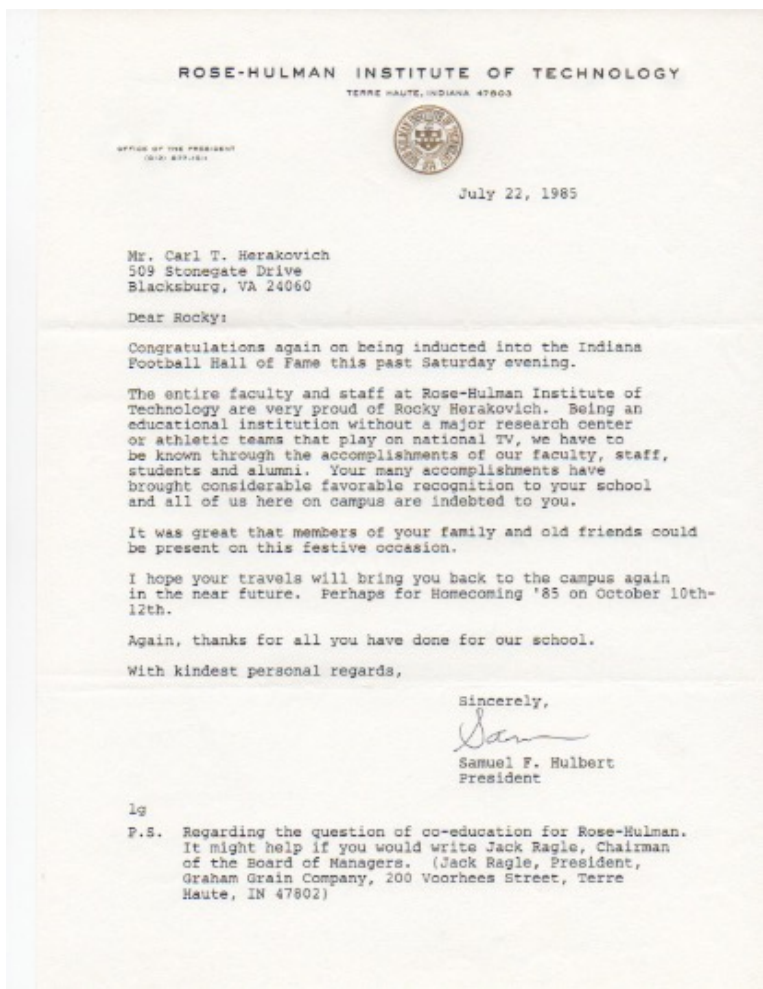
P.S. It has just been brought to my attention that there is an air conditioned house for rent at 1733 North 7th Street, Terre Haute, Indiana.

Hulbert Letters

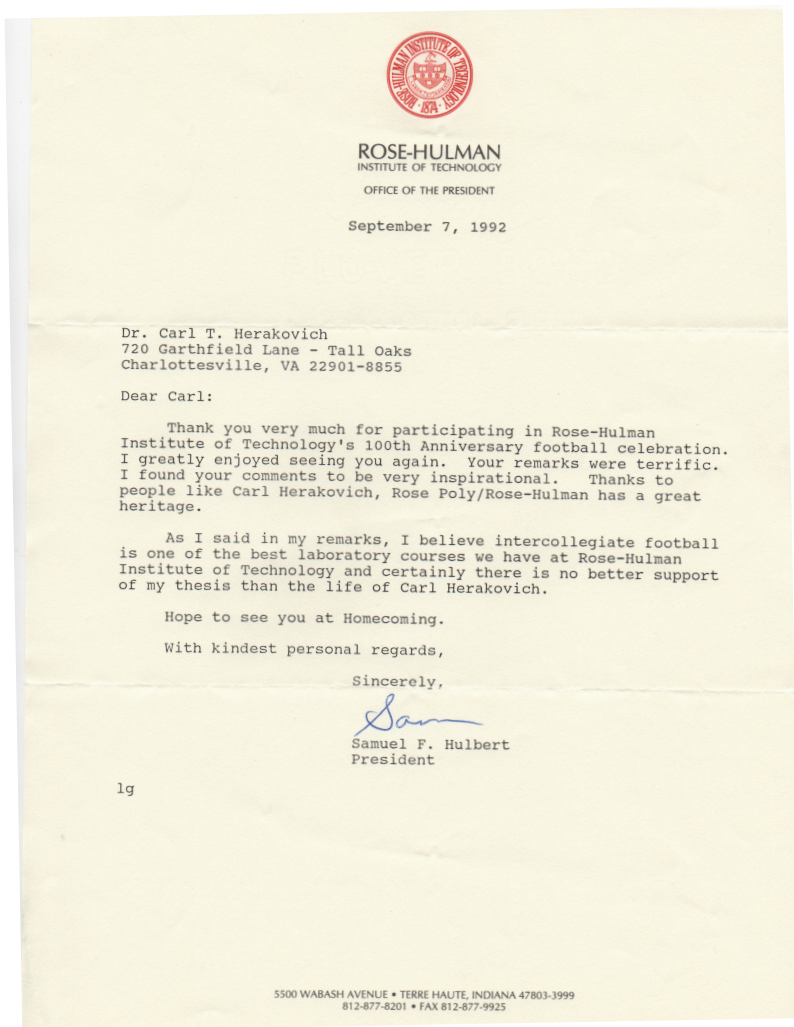
Hulbert: March 14, 1985



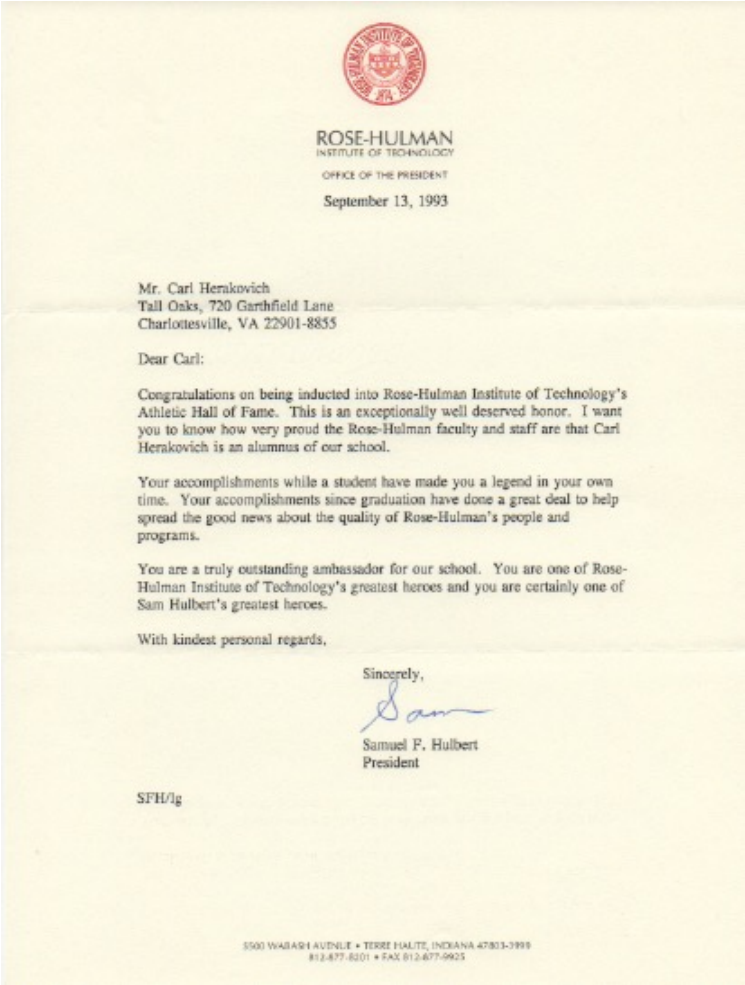
Hulbert: July 22, 1985



Hulbert: September 7, 1992

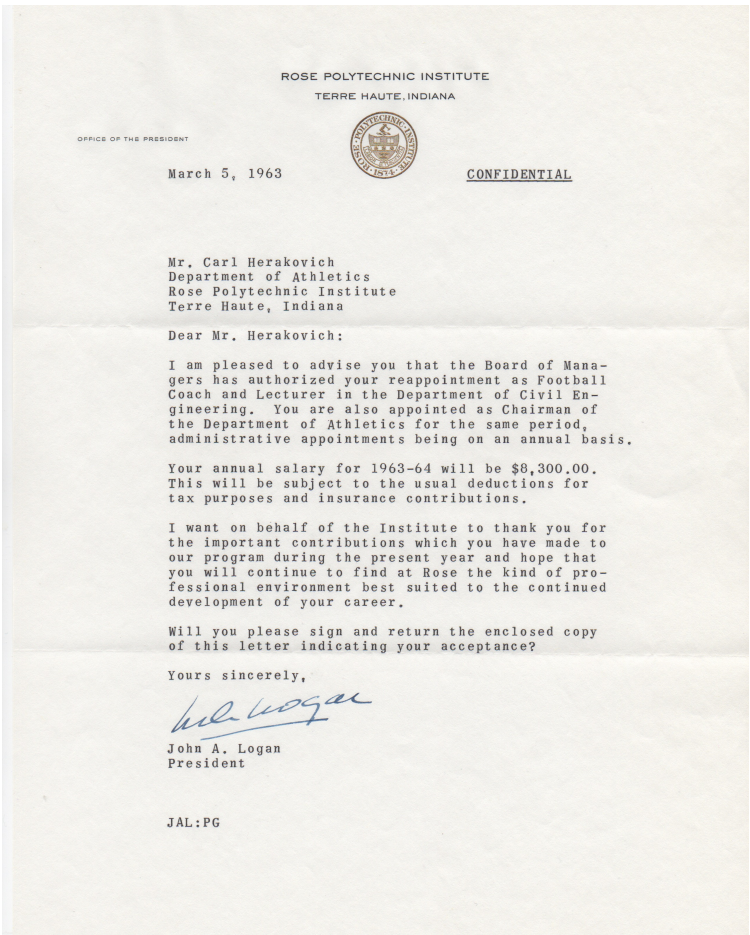


Hulbert: September 13, 1993

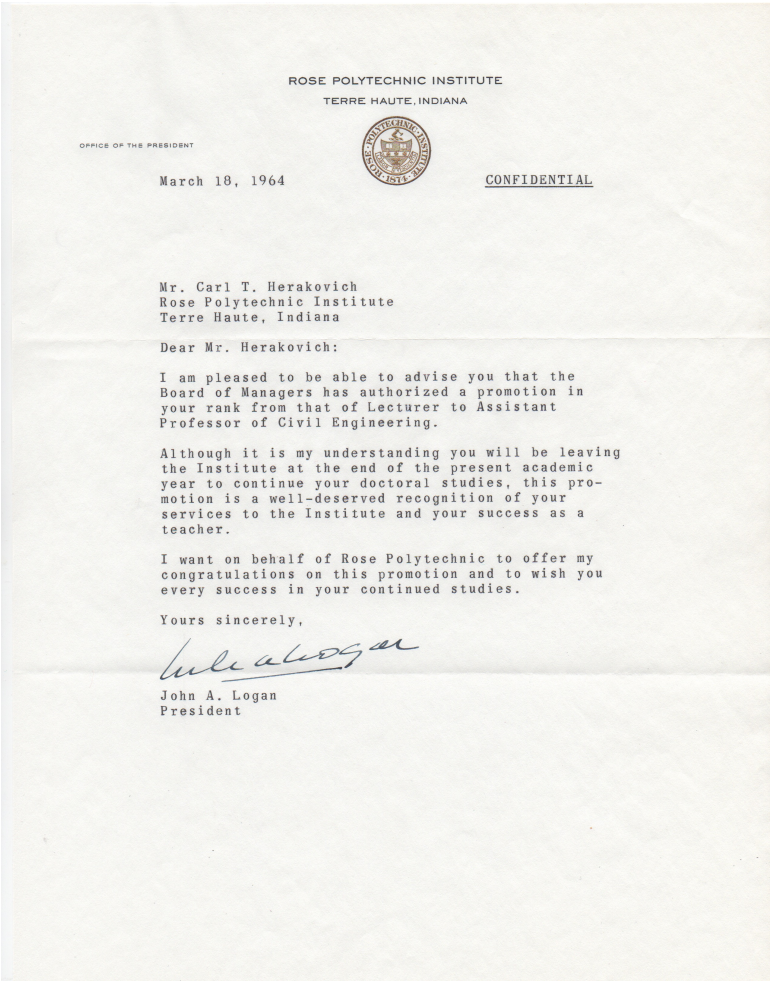


Logan Letters

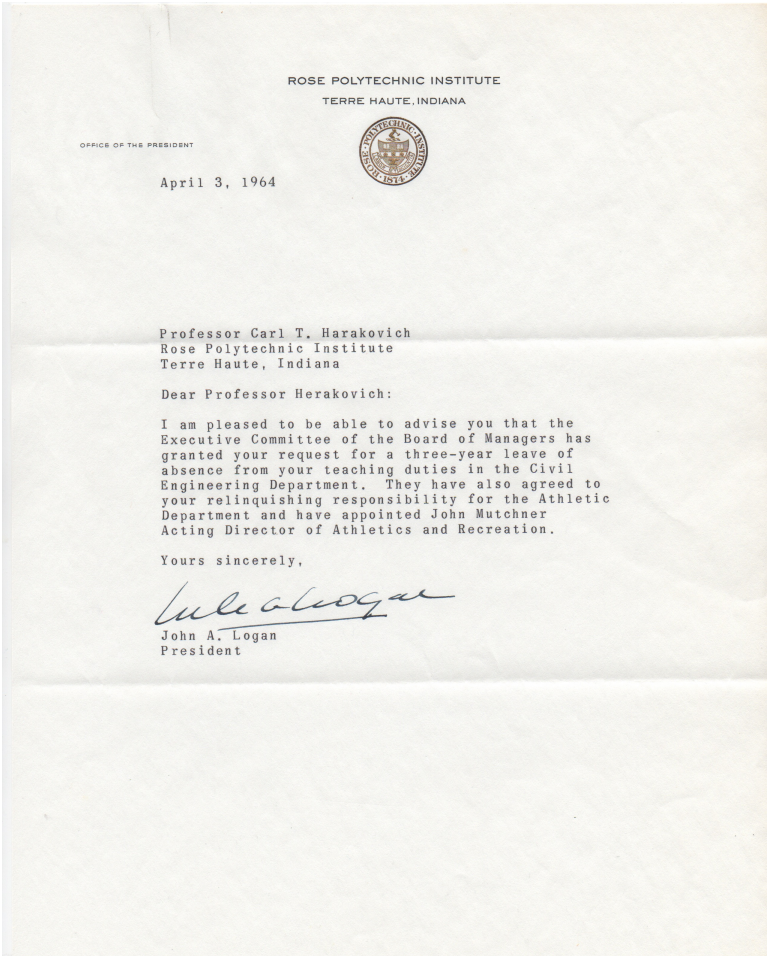
Logan: March 5, 1963



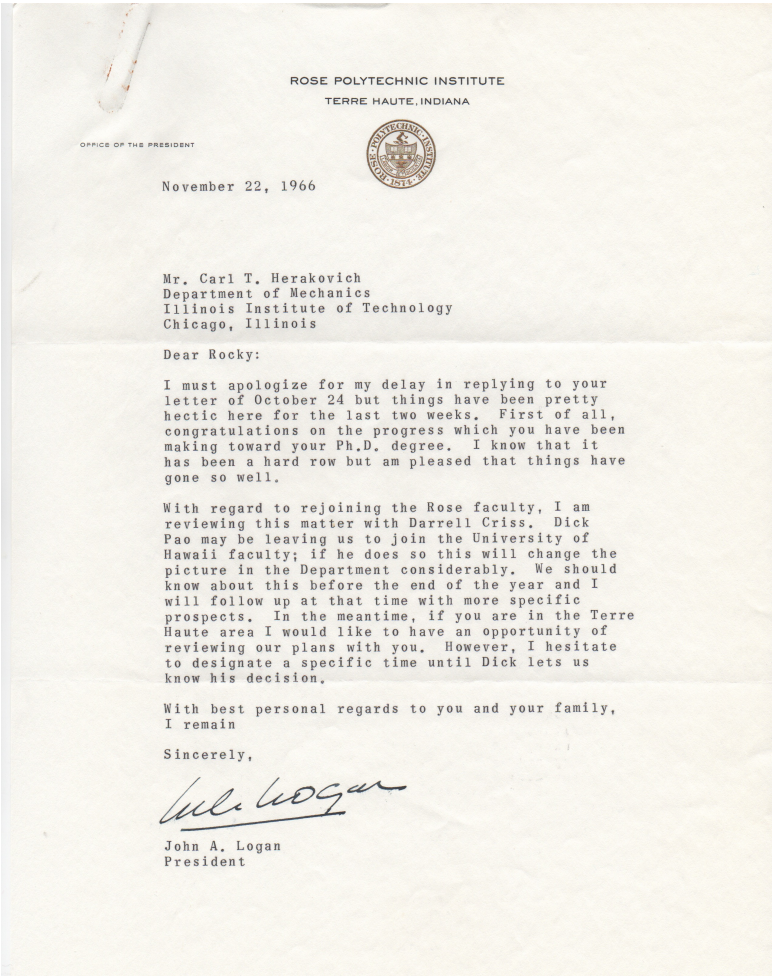
Logan: March 18, 1964



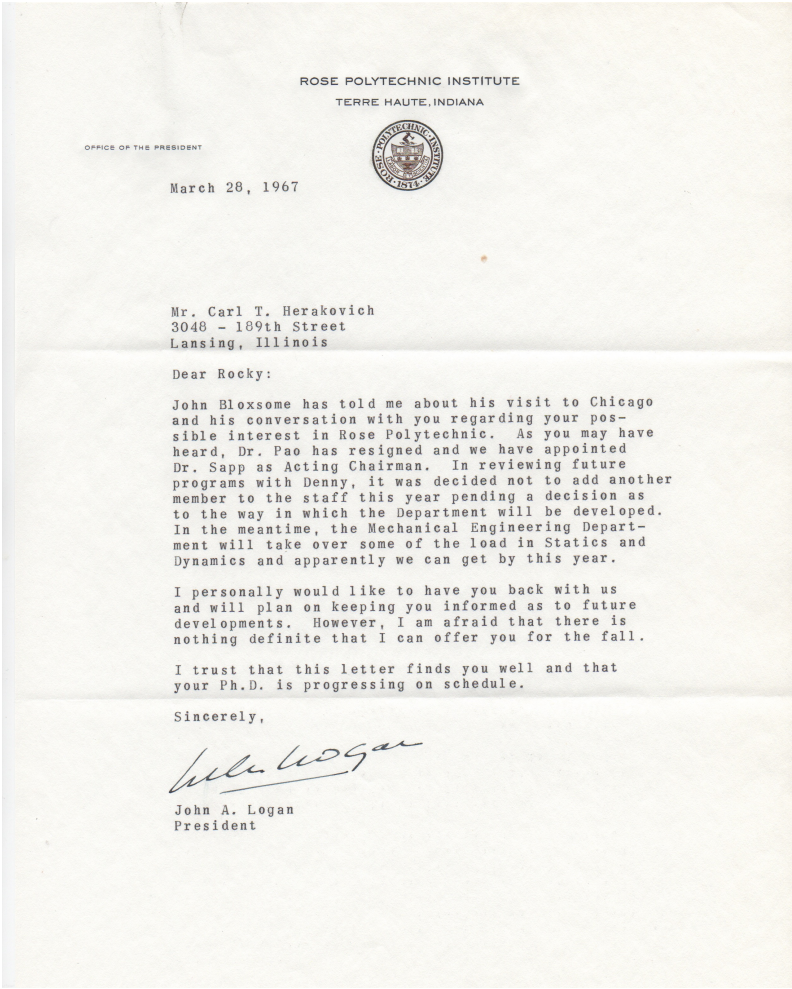
Logan: April 3, 1964



Logan: November 22, 1966



Logan: March 28, 1967



Logan: April 20, 1970

ROSE POLYTECHNIC INSTITUTE
TERRE HAUTE, INDIANA

OFFICE OF THE PRESIDENT

April 20, 1970

Professor Carl T. Herakovich
Department of Mechanical Engineering
Virginia Polytechnic Institute
Blacksburg, Virginia

Dear Rocky:

I must apologize for my delay in acknowledging your recent telephone call regarding the possibility of an assignment here at the Institute. As you may know, we have made a number of administrative changes within the last few months; Jim Matthews will be taking over as Dean of the Faculty, Darrell Criss is to become Director of Institutional Research, Head of the Computer Center and Professor of Engineering, Dave Smith will be the new Chairman of Electrical Engineering, Frank Guthrie the new Chairman of Chemistry and there will be a new Chairman of Physics.

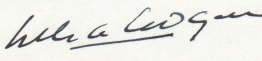
The situation in Civil Engineering is still fluid although Dr. Sapp will be continuing with us as Chairman, at least for the time being.

We are, however, planning a number of curricular changes and new direction as far as the Institute is concerned and I believe that we would be very much interested in having your return. I am afraid there is nothing we can do about it for the coming academic year --- most of the changes will be taking place beginning in 1971-72.

I will plan, however, on keeping in touch with you and will let you know of developments here which I think might be attractive to you.

With best personal regards to you and your family,
I am

Sincerely,



John A. Logan
President

Co-Education Letters

Herakovich to Ragle 1986

March 1, 1986

Mr. Jack Ragle
Chairman of the Board
Rose-Hulman Institute of Technology
5500 Wabash Avenue
Terre Haute, IN 47803

Dear Jack,

For the past several years I have encouraged President Hulbert to lead Rose in the conversion to a coeducational engineering school. Since graduating from Rose in 1959, I have spent essentially my entire career in engineering colleges, either as a graduate student or professor. This included graduate studies at The University of Kansas, Oklahoma State University, The University of New Mexico and Illinois Institute of Technology. I have taught at Rose, Kansas, ITT, and for the past nineteen years I have been a professor in the College of Engineering at Virginia Polytechnic Institute & State University. I also spent a year on sabbatical at Ecole Polytechnic in Paris, France. Of course, Rose is the only school with which I have been associated which excludes women as a class, without regard to ability. I am a fiercely proud and loyal Rose alumnus. I want only the best for the school. This includes the best possible student body. I don't see how the school can have the best possible student body when it excludes from consideration half the entering college freshman every year.

Our experience in the College of Engineering here at Virginia Tech is that women comprise about 20% of our undergraduate student body. We have found that these young women are excellent students. They have significantly enhanced the quality of our student body. Although we are a large engineering college with over 4000 undergraduates and approximately 1500 graduate students, we have excellent students. The average SAT score of the 1985 freshman class was 1200. The average SAT score of our top 300 freshman (the size of the Rose freshman class) was 1370. Sixty women (20%) were included in the top 300. The retention rate for women is slightly below that of men, but the average grade point average for the women at graduation is about 0.3 higher than that of the men. The College is actually concerned about the fact that 80% of the elected leadership positions in student organizations are held by women. Clearly, we have some outstanding women engineering students at Virginia Tech. Rose would as well if it would simply open its doors to them. And the quality of the Rose student body would be enhanced significantly in the process. I find it difficult to understand how Rose can claim to be one of the best engineering schools in the country when it knowingly limits the quality of its student body through its own premeditated action. Excluding women from the student body is akin to giving the opposition a twenty point advantage before the game begins.

It is also important to point out that Rose graduates will be working alongside women engineers after graduation. They should learn to function in the real world as students. To artificially restrict their interaction with women engineers during their most formative years is a disservice to the students. As an example of the interaction to which I refer above, I currently have three women engineering graduate students working under my direction and my full-time research associate is a woman engineering graduate. Women engineers constitute roughly 25% of my research group.

I fervently hope that the Board will approve a conversion to coeducation for Rose. I believe that it is clearly in the best interest of the school.

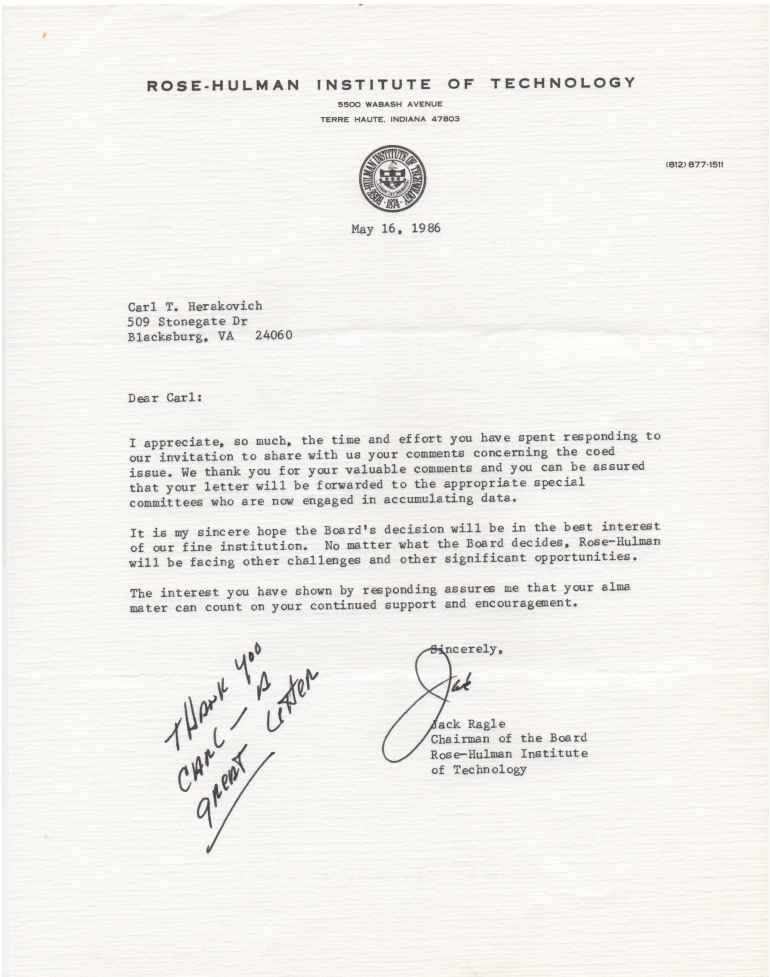
If I can be of any further assistance during the Boards deliberations, I would be honored and delighted to do so. You may be interested to know that Dr. John Wilson, President of Washington & Lee University, is a personal friend of mine as he was our Provost for a number of years. I am sure that he would be happy to share W & L's recent experience of conversion to coeducation with the Rose community. Please do not hesitate to contact me if I can be of any further assistance.

Sincerely yours,

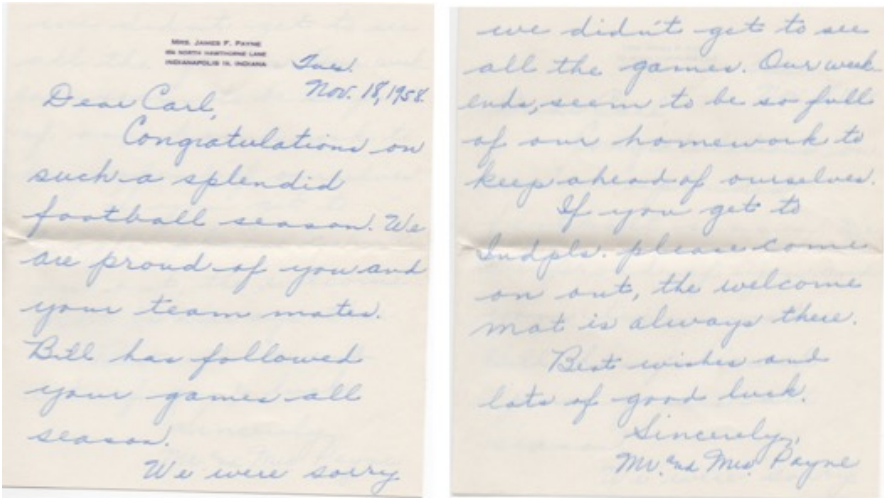
Carl T. Herakovich
Professor of Engineering
Science & Mechanics

CC: J. M. Valentine
S. F. Hulbert

Ragle to Herakovich 1986



Mrs Payne's Letter 1958



Oct 25 58 Franklin College Franklin Ind. 0 - Rose 12

Jack,
Julia,
Grandpa. 3

Carl Intercept 50 yds TD.
Carl 4 yds TD.
K. no good.

Nov 1st ~~Llhamois~~ College 7 - Rose 40
Jacksonville, Ill.

Jack, Julia, Grandpa.
3

Carl 2 TD's 20 yds. 3 yds.
" 1 Kick
1-52 yd run nullified on
15 yd clipping in the
10 yd. zone of players.

Nov 8 Principia College Alton Ill.

Jack, Julia Pa.
Richard Dorothy Ricky.
John Hunsbrey Farretta Allen Peter
Greg Roman
11

Nov 15 Earlham College Richmond Ind - 12
23 Oct.

Jack, Julia Pa.
Dick Dorothy Ricky.
John Hunsbrey Farretta, Allen, Peter.
Jim, Mary Jane, Tim, Tony.
Edw. Maize. Edw. John.
Kathy Jay.
20

ROSE 27

Carl 65 yd Kick return 6
Carl 2 yd over line 6-1
Carl 50 yd Pass 6-1
Carl 7 yd around end 6
26

Coach Fowdy Letter 1958

8221 State Line Avenue
Munster, Indiana
November 24, 1958

Dear "Rocky",

First of all let me congratulate you on a terrific season. You have exceeded everyone's expectations. Needless to say, everyone in Whiting, who is interested in sports, is proud of you and happy for you. You are a perfect example of what intelligence, talent and especially determination can accomplish. I know you shall succeed in any career that you choose to follow.

My wife and I have only one regret and that is that we did not get an opportunity to see you in action at Rose Poly. We had sincere intentions of seeing you against Earlham, however, I have been fighting the flu bug and with basketball practice on Saturdays, it has been a rather busy schedule. We have followed your career with great interest, Carl, and you have been a real credit to Whiting.

Sincerely,
Coach Fowdy
Coach Fowdy

SBF/mf

My Dad's 1958 Game Notes

Notes kept by Carl's father John HERAKOVICH

Michael, #38 23 y after curls 35 yd gain

Sept 27-58 Precipins. O. Rose 72

Carl	TD	26 yd run	6
Carl	TD	40 yd "	6
Carl	TD	on 10 yd pass.	6
Carl	2 Pts	for extra punt after	20

Rich Dorothy and Ricky.
Robert Betty Robert, Betty and David ~~Robert~~ Kerit.
Loretta John Allen Peter and Ronald.
Grandpa 17

Oct 4-58 North Park College Foster and Kedzie. ROSE 21

Rich	For Rich.	Carl T.D.	80 yd kick off	6
Robert	W. Jr.	"	T.P.	36 yd run .6
Loretta	John Allen Peter.	"	PT "after"	Rich. 1
Dorothy	Roy Janet.	"	2 PT. "after"	run. 2
Walter	Grandpa.			15
Ruby	Donald.			
Margo	Edw. John. Edw. Jr.			
Muriel	and John Mark.			
Buckley	John. Mary Jane. Tim Mary Kay.			
Jane				

Oct 11-58 Eureka College. at Rose 78

John	Carl	2 Pts
Glenn	"	2 Pts
Grandpa	Carl	14 yds Pass for TD
Rickey Rokey 9	35 yd TD	TD
	2 Pts	63 yd punt return for TD
		27 yd Pass for TD
		3 yd line for TD
		2 Pts

Oct 18 CONCORDIA COLLEGE RIVER FOREST ROSE 21

Richard, Dorothy, Ricky	Carl TD	7 YDS
JHruskoc, Loretta Allen Peter	" TD	44 YDS off tackle
Leo Rokey Eleanor	" TD	12 yds " "

12

ROSE POLY and ME

A Memoir

by

CARL T. (ROCKY) HERAKOVICH

