CALVIN

College

2002 COMMENCEMENT

Saturday May Eighteen Three O'Clock

LIFT HIGH THE CROSS

George W. Kitchin Sydney H. Nicholson

Lift high the cross, the love of Christ proclaim till all the world adore his sacred name.

Come, Christians, follow where our Savior led, our King victorious, Jesus Christ, our Head.

Refrain

From north and south, from east and west we raise in growing unison our song of praise.

Refrain

Let every race and every language tell of him who saves our lives from death and hell.

Refrain

Set up your throne, that earth's despair may cease beneath the shadow of its healing peace.

Refrain

So shall our song of triumph ever be: Praise to the Crucified for victory!

Refrain

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THE CALVIN ALMA MATER

Dale Grotenhuis Celia Bruinooge

Calvin, Calvin, sing we all to thee, To dear Alma Mater we pledge fidelity. Forever faithful to maroon and gold, Thy name and honor we ever shall uphold.

Calvin, Calvin, God has been thy guide; Dear Alma Mater, thy strength He shall provide. Be loyal ever to the faith of old. God's name and honor we ever shall uphold.

ORDER OF COMMENCEMENT

Prelude:Flourish For Wind BandRalph Vaughan WilliamsProcessional:Sine NomineRalph Vaughan Williams

Pomp and Circumstance March No. 1

Edward Elgar

Calvin College Band, Derald De Young, Ph.D., conductor

*Opening Hymn: Lift High the Cross

*Invocation: Milton Kuyers, M.B.A., Chair, Calvin College Board of Trustees

Introduction of

Commencement Speaker: Gaylen J. Byker, Ph.D., President

Commencement Address: "The Future of 1952"

Randall L. Bytwerk, M.A., Ph. D.

Professor of Communication Arts and Sciences

Presentation of Awards: Ronald Baylor, J.D., President, Calvin Alumni Association,

to Jack B. Kuipers, M.S.E., I.C.E., Class of 1943, and to John Steensma, M.A., Class of 1947, and Juliane Flietstra Steensma, M.Ed.,

Class of 1945, Distinguished Alumni

Remarks on Behalf

of the Senior Class: Berniz A. Constanza, Student Senate President

*Litany for Commencement

Conferring of Degrees: Joel A. Carpenter, Ph.D., Provost,

and Gaylen J. Byker, Ph.D., President

Presentation of Diplomas

*The Calvin Alma Mater

†Recessional: Stars and Stripes Forever John Philip Sousa

The commencement ceremony is being professionally videotaped and photographed. Each graduate will have an opportunity to purchase videotapes and photographs of the event. Thus, we ask that friends of the graduates keep walkways clear for the camera crews.

^{*} Audience standing

[†] The audience is requested to be seated until the faculty and graduates have exited.

LITANY FOR COMMENCEMENT

Liturgist:

We praise and thank you, Heavenly Father, for lavishing your glorious riches on Calvin College and on this graduating class.

We thank you for years of increase, for decades of development and maturing.

We thank you for students who hunger for the knowledge of your will and purposes,

People:

for professors and administrators who nurture and lead,

Liturgist:

for supporters and constituents who have caught the vision of your glorious kingdom, and of the tasks we can do for the King,

for prophetic voices to warn, chasten, and correct when we lose our way,

for graduates

whose lives of joyful service and liberating obedience bring the kingdom in, in times and ways and places far beyond our best planning and our boldest hopes.

People:

We thank you, Lord, for your great faithfulness, And we praise you for the lives of the distinguished alumni we honor today.

Liturgist:

We thank you today for the strength you give us through the Spirit, for the gift of Christ dwelling in our hearts and lives and programs, and for the communion of all the saints, in whom we catch a glimpse of how wide and long and high and deep is the love of Christ.

We thank you for opportunities to ask more boldly and to imagine more confidently as we move into the future.

a future in which your full glory will be on blazing display to all peoples and to all generations.

People:

On this glad day, we praise your name, O Lord.

To the God who has already graced our lives with vision, sacrifice, and learning, We come with this bold plea:

Grant unto us the joy of your salvation.

Amen.

COMMENCEMENT SPEAKER

Dr. Randall Bytwerk is known as one of the foremost contemporary experts in the area of propaganda and rhetoric. He has been a member of the faculty in the Department of Communication Arts and Sciences at Calvin since 1985, where he teaches oral rhetoric, advanced public speaking, and a course on propaganda and persuasion. He believes his department offers the best undergraduate program in communication at any liberal arts college in the United States. He has ably served as chair of the department since 1988, with the exception of a two-year hiatus. During his tenure as chair, the Department of Communications Arts and Sciences has experienced tremendous growth. Dr. Bytwerk has been instrumental in the recruitment and hiring of stellar faculty in a field that continually needs to stretch in order to meet the ever-changing demands of popular culture, media, technology, and communication. Under his leadership, his department has added major programs in Speech Pathology and Audiology, Business Communication, Digital Communication, Film Studies, Mass Media, Rhetoric and Communications, and more. He has also been involved in the design, planning, and fund-raising for the DeVos Communication Center, which will open in the summer of 2002. The Department of Communication Arts and Sciences will finally be united under one roof—it is the only academic department at Calvin that now has offices in every major academic building on campus!

Randall Bytwerk graduated from Calvin College in 1971. He earned his Masters Degree in 1973 and his Ph.D. in 1975, from Northwestern University. He served as Lecturer at Northwestern University in 1975 and taught at Southern Illinois University's Department of Speech Communication from 1975 to 1985. In 1986 he spent four months as Visiting Professor at Johannes-Gutenberg-Universitat in Mainz, Germany.

He is widely published in the area of Nazi and East German propaganda and has a new book at the publisher on the topic. His first book, *Julius Streicher: The Man Who Persuaded A Nation to Hate Jews* (1988), based on the

leading Nazi anti-Semite, was recently republished. He has contributed chapters to books on Germany, German propaganda, Western propaganda, nationalism, and rhetoric, and has published numerous articles and book reviews in academic and professional journals. He has developed a German Propaganda Archive on the web—a large and growing collection of translations of German propaganda from the Nazi and East German eras (www.calvin.edu/academic/cas/gpa).

Dr. Bytwerk has been awarded numerous honors, including the Danforth Foundation Faculty Associate Program Appointee, 1978-86; The Department of Speech Communication (SIU-C), AMOCO Outstanding Teaching Award, 1977 and 1982; and the Outstanding Young Teacher Award, Central States Speech Association, 1977. He has served on numerous college committees and is a member of the Eastern German Studies Association, Central States Communication Association, Religious Speech Communication Association, and the National Communication Association.

His major outside interests are backpacking, primarily in California's Sierra Nevada Mountains, and things German, due to his many trips to Germany and much research on the country. The backpacking interest developed when he worked for three summers at Tuolumne Meadows in Yosemite National Park through A Christian Ministry in the National Parks. He is also an avid practical joker and has instituted the Moses Award, Calvin College's prize for the best practical joke of the year. Any student or staff member at Calvin is eligible for the award.

He is married to Sharon Van Haitsma Bytwerk. They have one child, David (21), currently a student at Calvin. Their daughter, Katharine, died at the age of 12 in October 1996, as the result of a hiking accident in Slovakia while the Bytwerks were leading the Calvin semester in Hungary. The support of the students on the semester in Hungary and the greater Calvin community provided glimpses of grace for them in a time of immense sadness.

MESSAGE FROM THE FIFTY YEAR REUNION CLASS

We who stood in your place 50 years ago greet you on this day of celebration. Congratulations! May the richest blessings of Christ go with you!

In this 9-11 world of ours, it will hardly do for us merely to wish you well. As we leave the scene you now enter, we feel that the world you face is more tumultuous and treacherous than was ours. To be sure, some of us left college to go off to war, but the world was more structured, and we were confident of victory. As you leave Calvin, the world has changed immeasurably, our nation has, and the certainties that 50 years ago sustained young graduates have vanished.

We now call you to courageous pursuit of all that has made Calvin College a stronghold of careful, faith-filled thought and action. Canada and the United States—indeed the world—need valiant people who think in the name of Christ. You are such a cadre.

With all that must be conquered, it seems that the greatest challenges just now are in the realm of the spirit. Cynicism, a sense of futility, fear, and times of sheer despair trouble all who assess the national and world

scene with realism. It is a time for Christ's disciples to lash themselves to the Bible and with diligent joy to develop a daily time of prayer. Just now, when this exciting age waits to use all our energy, all our talent and our every gift, we can be stirred by the conviction that those who trust Christ fully and serve him unreservedly can be part of the restoration of all things.

We testify that we have been lifted often by the mighty resurrection power of Christ during our five decades, so quickly passed. If you get a chance, listen sometime to Calvin alumni joined in choir singing He Has the Power—from The Mass of St. Augustine.

"Christ! He rose to tell the world. He has the power, almighty power in his hands."* As you graduate this day, you may be sure you walk toward the victory of Jesus of Nazareth. And his victory will surely make your journey splendid...if you trust him. If you trust him.

- ~ Joel Nederhood, class of '52
- * He Has the Power by the Calvin College Alumni Choir, 1992.

DISTINGUISHED ALUMNI

The Calvin Alumni Association is proud to present three alumni with the Distinguished Alumni Award. Persons honored in such a way have been chosen by an independent selection committee comprised of alumni, faculty, and staff and are endorsed by the Calvin Alumni Association Board.

Recipients of the Distinguished Alumni Award have made significant contributions to their fields of endeavor, are recognized by their associates for outstanding achievements, and manifest a Christian commitment that reflects honor upon Calvin College.

Jack B. Kuipers ('43)

If you prefer to wait until the paperback version of a top seller comes out, you need wait no longer for *Quaternions and Rotation Sequences: A Primer with Applications to Orbits, Aerospace and Virtual Reality.*Because of its popularity, the book that was predicted to become the standard reference for aerospace engineering has exhausted its fourth printing and will soon be out in paperback from Princeton University Press.

A fifth printing is almost unheard of for a book that is intended for mathematicians, engineers, and physicists. For most of us, the title sounds like something in a foreign language. The book's success has been gratifying to Jack Kuipers, a retired professor of mathematics at Calvin College, who spent ten years researching and developing the book; he even typed every page and supplied all the exquisite graphics in the 384-page book. The book became a bestseller early on in such places as Huntsville, Alabama, and various other places where aerospace engineering goes on. It is now available and in use worldwide. Kuipers has lectured on its contents in such exotic places as Japan and Bulgaria (where he was featured on the front page of a national newspaper). The book is designed to make research in quaternion algebra and rotating objects more accessible to what Kuipers calls "aerospace-type people."

"Others have written about quaternions before," said Kuipers, "but much of what has been written is often, in my view, not very inviting. I'm not the scholarly theoretician-type mathematician; I'm an applied mathematician, a person who approaches matters from a problem-solving and engineering perspective. Perhaps that's what makes the book different and attractive." In fact, Kuipers' background in the years before he began his 20-year teaching career at Calvin makes his take on numbers, equations, and formulas unique. He spent 17 years in electrical and aerospace engineering, which gave him his skills in mathematical modeling. His early career involved working for defense and aerospace contractors to develop gyroscopes, inertial navigation platforms, and complex weapons systems for the U.S. Air Force.

He is known as the inventor of "SPASYN," a patented space synchronizer system that allows pilots of aircraft to simply look at a target, push a button, and thus launch bombs or missiles to take their trajectory to the target. The system uses a miniscule sensor embedded in the pilot's helmet to couple electromagnetically to a source in the cockpit. "The idea was revolutionary because it made dive-bombing unnecessary," said Kuipers. "It also was very fortunate for pilots because it made their missions much less risky. Since the entire aircraft was a weapons system.

the aircraft now had the virtual flexibility of a handgun."

Kuipers went on to say, "I did not intend for my technology to be used in this way. As I began my career I found it very interesting that the technology could be used to support the rendezvous of satellites. Its primary function is to relate two bodies in space." Yet, much of Kuipers' early work occurred in the Cold War years, when "our worries were about Russia and communism," he said. "The defensive mindset of the nation insisted that the U.S. should be prepared and able to respond if someone attacked us." Still, the talk of "kill ratios," and "kill efficiency" led Kuipers to return to his alma mater to teach in 1966. "I needed to get away from all that talk of killing. It seemed that I had been moving in circles of activity I didn't want to become more familiar with." He has continued to be a consultant to various aerospace enterprises.

Though most of the applications of Kuipers' technology have been defense related, he has worked hard at finding more civilian uses. Currently he is working on patenting a system that will make it safer for aircraft to share common space and be more aware of each other's whereabouts even in zero-visibility conditions.

Kuipers spent his first three college years at Calvin, and then transferred to the University of Michigan, as was usual in those days, for his engineering degree. It was at Calvin, however, that he discovered his love of mathematics. Kuipers said that he had never expected to go to college when he was in high school, but the shortage of jobs led to his enrolling at Calvin. "I am grateful to the college for appointing me," said Kuipers. The college enabled him to align mathematics with his faith and to teach out of his faith. For example, he points to a portion of his book in which he links his formulas and sequences to an explanation of the seasons. "Using mathematics you can explain why and precisely compute how much the length of each day increases in summer and decreases in winter; the appropriate celestial mechanics are modeled now by using rotation sequences. One can explain it all very nicely mathematically, but the effort generates awe and inspires a spiritual view."

He went on: "It's fun and often beautiful to work things

out and see how they all fit together. I see much beauty in mathematics. Yet much of what I see is still pure mystery. We live so presumptuously—we think we understand things, and in some limited, often pious, sense we do, but when pressed we have to confess that we do not."

In a 1998 Grand Rapids Press article Ernie Blood, Kuipers' former colleague and head of an aerospace navigation firm for which Kuipers worked, is quoted: "Jack has this ability to put mathematics to life. A lot of professors, they can prove this theory or that on paper. but give them a practical problem.... He would sit down and write a mathematical solution to something practical and do it very elegantly." Blood was referring to Kuipers' work in developing what is known as "virtual reality," which he worked on when producing simulations for Air Force pilots in the 1950's. He later developed a six-degreesof-freedom transducer and graphics system and is therefore regarded as the founder of "virtual reality." However, he discounts recognition for his achievements: "These are great honors, but in that context who really deserves any honor if all of us are just doing what we love to do?"

Kuipers, now 81 years old, lives in Grand Rapids with his wife, Lois Holtrop Kuipers '46. Four of their five children graduated from Calvin. Kuipers comes to his office on campus every day. He holds several patents, but continues to apply his mathematical genius to more formulas and equations, and has lost none of his zest for exploring the mysteries and beauties of mathematics and theology.

John ('47) and Juliana ('45) Flietstra Steensma

When John Steensma lost both of his arms after a horrific accident at the age of 17—he was shot through with electrical charges and fell 70 feet off a tower—some in his home community prayed that he wouldn't live through the resulting surgeries. There simply wasn't much knowledge or vision about dealing with disabled persons.

When Juliana Flietstra's widowed father left her in Grand Rapids to work on a factory assembly line to help with family finances while he went back to his Iowa pastorate, the young woman met some friends who were attending Calvin College, and she began to dream of books and writing and learning.

And when these two amazing persons found each other at a church picnic—John with his screaming blue satin cowboy shirt and appliances for arms, and Juliana, who attended the picnic reluctantly with relatives—God worked miracles. Not only in their lives, but through them, wonderful things happened in the lives of thousands of persons they touched.

"My mother had a lot of faith," recalled John. "Even though, in a six month's period of time, she had lost her husband, lightning had burned down the family business, I had my accident, my brother was brain-injured in a motorcycle crash and the first grandson was born deformed and died after a few months, she persevered."

John's mother helped him through the prolonged recovery and would not let those who dismissed his chances at a successful life affect the family's decisions. The one person to whom the door was always open was Juliana Flietstra, who began a relationship with John soon after that important church picnic.

Juliana's love of learning had enabled her to figure out a way to attend Calvin—"for \$37.50 a semester," she said—and her enthusiasm was infectious. John applied to Calvin two years later through a grant from the State Rehabilitation Agency. Already John and Juliana were an inseparable team, with Juliana assisting John with his typing. They were married in 1945 when Juliana graduated, and John took a sabbatical year when both were offered jobs at the Army hospital in Battle Creek, Michigan. John assisted with amputees who were faced with the same challenges he had after his accident; Juliana was hired as an educational therapist, teaching high school and junior college subjects to patients on the wards.

"God steps in," said John. "I've never applied for a job my entire life. He used the bad that happened to me for good in many, many instances."

The Steensmas moved back to Grand Rapids after the war ended. John graduated from Calvin in 1947 and spent the next 12 years as the director of the new Child Amputee Project of the Michigan Crippled Children's Commission. He was an early pioneer of designing and fitting prostheses for children, as well as developing training curriculum.

Juliana remembers that gradually they became convinced of God's call to mission work but, for a time, could not find a niche. Abruptly, one day in 1958, through the auspices of Church World Service, an opportunity opened up to give leadership at a civilian rehabilitation center in Korea.

She said, "We had four children in school and a new house. But off we went, and my brother sold everything for us. It was a tough move! But the wonders we were able to see and participate in made this a blessed decision."

During the time of John's work in Korea, Juliana put her writing expertise to good use as editor of the column "Thoughts for the Times," which ran regularly in the Korea Times.

"I wrote a number of the columns myself, but recruited a group of several others who would take turns," she said. "It was amazing how influential this column became throughout the country." The same column still appears today.

John's work in Korea was ground-breaking and paved the way for major advances in rehabilitation services in that country.

"For any person in any part of the world to lead a life without a limb, let alone both hands, must be daunting and challenging," wrote Professor Kim Hyung Shik of Seoul's Chung-ang University. "But [John's] own approach to life had such a profound influence upon the people with disabilities because they were so burdened with the negative and stigmatizing attitudes of so-called able-bodied people."

The professor, himself a Korean War orphan who lost an arm during an air raid, continued: "He was a true pioneer in his field, and the rehabilitation program he set up laid the foundation for Yonsei University Medical School's Rehabilitation Center. So there was a significant contribution not only to people with disabilities, but also to medical training."

Gaining the status of respected rehabilitation visionary (John) and journalist (Juliana) in Korea the Steensmas opportunities to bring God's Word to Koreans in many ways. They recruited the first Christian Reformed teachers for missionary schools and had a major influence on the establishment of a Christian Reformed Servicemen's Center, which provided a Christ-centered "home away from home" for military personnel.

After eight years, the Steensmas returned to the United States and settled in Florida, where both worked at the Easter Seals Center in Fort Lauderdale. Then John moved to the University of Miami Rehabilitation Center and Juliana worked as an educational therapist in the Miami Veteran's Hospital until both retired in 1985.

They are now living in Holland, Michigan, with many stories to tell and wise counsel to give on a diversity of subjects.

Juliana, ever the writer, is adding to her chronicles of an adventurous life. She made a beautiful quilt (titled "Time Passes") that contains photographic renderings of the entire Steensma saga, complete with images of their four children, nine grandchildren and six great-grandchildren. In 1969, John Knox Press published an account of their work in Korea entitled *The Quality of Mercy*. Since then she has documented their time in Korea in a manuscript entitled "A Moving Experience" and is currently working on an autobiography for the grandchildren.

"Someone suggested the title 'A Leap of Faith,'" she said, with a smile. "Perhaps it would be more accurate to call them 'Little Hops of Faith.'"

Whether one calls the Steensma journey a "leap" or a series of "hops," there is no doubt that the tremendous faith and determination of two Calvin alumni in a 57-year partnership have brought hope, help, and healing to thousands of persons in need of physical, spiritual, and emotional care.

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CANDIDATES FOR DEGREES AND CERTIFICATES 2001-2002

HONORS GRADUATES

These students have received commemorative medallions for their completion of all requirements in the Calivn College Honors Program.

Stephanie J. Blossey Honors in Classical Studies Melissa D. Boerman Honors in Communication Disorders Elisabeth A. Bont Honors in English Jessica L. Bratt Honors in Psychology Peter A. Bratt Honors in Political Science Honors in History Kathryn L. Brinks Honors in Communication Disorders Rebecca L. DeYoung Honors in Nursing Stephen J. Den Boer Honors in Political Science Allyson A. Dziedzic Honors in Philosophy Mark A. Faasse Honors in Biology Abby M. Fazio Honors in Art Education

Megan J. Feenstra Honors in Interdisciplinary Studies Kathryn E. Floyd Honors in Greek Amy E. Fox Honors in Religion and Theology Honors in Psychology Gregory J. Frasure Honors in English Jessie R. Glover Honors in Communication Arts and Sciences Catherine J. Grav Honors in Biology Eunice E. Ham Honors in French Kathrvn A. Harris Honors in Communication Arts and Sciences James P. Hevboer, II Honors in Biology April J. Hoekstra Honors in Communication Disorders Mary R. Holleboom

Honors in Engineering

Honors in Nursing

Honors in Physics

Robyn A. Horton

Mason J. Klein

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David A. Koop

Kevin W. Sharpe Honors in Philosophy Leonard Sidharta Honors in Philosophy Lisa D. Slighter Honors in Business Patricia C. Staible Honors in Political Science Adam J. Stout Honors in Communication Arts and Sciences Lvnne A. Tan Honors in History Bethany M. Tanis Honors in History Rvan G. Tetzloff Honors in Engineering Timothy A. Thompson Honors in English Carrie L. Titcombe Honors in English Honors in Philosophy Rebecca S. Tyler Honors in Social Work Kathrvn E. VanNoord Honors in English Michelle L. Visser Honors in Economics Chad M. Weener Honors in Political Science Kevin D. Witte Honors in History Sung-Ae Yang

Honors in Sociology

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Philosophy, Religion & Theology

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Jamev D. Espinoza

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Chistopher J. Veltman

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Sara L. Vissers Jacob A. Wachsmuth Andrew H. Wall Anna-Lynne Weber Diana M. Wenger Travis M. West Erin J. Wigboldy Frederick J. Wolstenholme Jordan M. Zacharia Rebecca M. Zmrazek

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Yuka Bannai

Lisa M. Boyle

Susan B. Batts Meredith L. Bishop Nathan J. Bosch

Ian C. Brink-Halloran Kiki Chu Christian J. Clark Christopher J. Conens Bradlev J. Flikkema Michelle S. Freeman Melissa M. Getz Catherine J. Grav Peter J. Harkema David J. Heeringa Jeanette M. Henderson James P. Hevboer, II Brian S. Hibma

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Mark A. Jonker Mason J. Klein

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Sarah M. Smith Nicholas W. Stone Nathan J. Stout Haryono Tafianoto Linde J. VanDenBerg Beth L. Vander Heide Lynn A. Vander Laan Mark T. Vander Lugt Jan W. van der Woerd David A. Van Dyke Rachel A. VanElderen Michelle L. Visser David T. Vos

BACHELOR OF ARTS OR	Annette R. Cloud	James P. Glatz	Timothy R. Lauger
BACHELOR OF SCIENCE	Tyler R. Cook	Raquel J. Gonzalez	Hwajin Lee
	Daniel E. Cooke	Anthony K. Graves	Lindsay M. Lemstra
General Program: Social	Angela M. Cooper	Robert T. Gulley	Hazel B. Lewis
Science majors – Business,	Katie J. Cooper	Kevin R. Haartman	Brent D. Logan
3	Joel D. Cornell	John D. Hafemann	Marla N. Love
Criminal Justice, Econom-	Benjamin C. Corning	David J. Hagen	Daniel A. Lovig
ics, Physical Education,	Maria C. Costa	Brian A. Hamilton	Naomi P. MacKenzie
Political Science,	Berniz A. Constanza	Catherine E. Hamilton	Claire A. Malefyt
Psychology, Sociology	Darren J. Cupery	Lucas K. Hamstra	Rebecca G. Marsh
	Carolyn A. Davids	Joanne E. Haven	Jonathan A. McClure
Ireti J. Alabi	Ethan C. Davies	Kevin W. Hawkins	Seth P. McCormick
Mitchell G. Bareman	Ross A. De Blaey	Brandon W. Heersink	Stuart A. McGilvray
Michelle L. Barkema	Eric R. DeBoer	Lyndsay K. Heinkel	Craig S. McKendrick
Barbara N. Bechtel	Kelly L. DeDoes	John M. Hendrikse	Danielle R. McMinn
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Lisa J. Breuker	Shawn P. Duffy	Rohit Kapuria	Philip H. Ophoff
Joshua B. Brewster	Robert E. Dykema	Joseph Kim	James R. Overbeck
Nicole L. Brinks	David M. Dykhouse	Daniel J. Klein	Stephen W. Pase
Bradley J. Brummel	Laura K. Dykstra	Jonathan M. Klooster	Jennifer B. Pastoor
Amy L. Busch	Courtney D. Emmelkamp	Andrea C. Kloostra	Joshua R. Pater
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Travis A. Buys	Nicole A. Flikkema	Christine M. Knittel	Valerie L. Petiprin
Kevin A. Byle	Amy E. Fox	Philip H. Kooy	Graham A. Phelps
Melissa S. Cable	Michael C. Friesema	Edward P. Kostaroff	Jack D. Phillips
Jennifer R. Carpenter	Timothy J. Fronczak	Ernest C. Krauth	Marie L. Pierron
Lindsay M. Carrier	Bradford D. Fuller	Jonathan W. Kuiken	Trisha E. Plaisier
Michael J. Cerny	Felicia J. Gamble	Wendy S. Lamberts	Kristy A. Poggemiller
Dag-Kaun Chung	Ranjamin D. Cazon	Mia M. Langford	Ion P Potvin

Wendy S. Lamberts Mia M. Langford Mark L. Lantinga

Braden L. Proctor

Kristy A. Poggemiller Jon P. Potvin

Benjamin D. Gezon Elisabeth A. Giessel

Dae-Keun Chung Sergio Cira

Robert C. Shane Aaron P. Puff Todd M. Sytsma Gregory M. VanWoerkom Lauren M. Radke Adanya R. Shyne Kirsten N. Talbert Robert S. Veldstra Joshua E. Sinclair David K. Taylor Christie E. Rebba Katharyn J. Venhuizen Andrew S. Robinson Julie A. Slate Jesse F. Teitsma Joshua J. Wall Emily E. Rogers Matthew J. Slenk Timothy Teopilus Wendy S. Walter Jonathan G. Roodvoets Negasi A. Tewoldemedhin Chad M. Weener Lisa D. Slighter Rachel L. Weidenaar Jason W. Rop Corwin D. Smidt Jason R. Tol Valerie L. Rosendale Kathryn E. Smiertka Kendra L. Toonstra Rebecca A. Welch Tara M. Rottschafer Stephanie S. Smolinski Gregory M. Triemstra Angela L. Westerbeke Jeffrey M. Westerhof Marc A. Ruiz Rebecka L. Smukowski Andrew J. VanDam Andrew B. Rysdam Ryan D. Sprenger Daniel R. Vandenberg Aaron T. Whitfield Lyssa A. Sankey Patricia C. Staible Daniel P. VandenBosch Michael C. Wierda Natalie M. Sarago Benjamin J. Stehouwer Candice M. Vandergriff Jamieson E. Wierenga Rebecca A. Schaafsma Paul Steigenga Melissa G. Wiersum Katherine R. VanderMolen Bradley J. Schaap Robert B. Stine Vincent M. VanDyk Michael L. Wigger Jennifer K. Schrik Ryan J. Stolee Derek W. Van Gelder Amber E. Wolfe Jennifer L. Schuller Matthew C. Swedlund Joshua C. Van Haitsma Sung-Ae Yang Marcie E. Schweigert Matthew C. Zahn Sara D. Swierenga Daniel D. Van Prooyen Matthew D. Shatto

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Rachael A. DeGraaf Katherine L. Deibel Kristi E. DenBleyker Lisa J. Deters

Kara J. Day

Katie L. Dezwaan Melissa N. Divozzo Ann E. Doornbos Heidi A. Elgersma Melissa J. Essenburg Elizabeth J. Evenhouse

Christine L. Farough

Stephanie P. Favazza

Suzanne A. Fischer Charissa D. Fynaardt Nicole J. Gazendam Amy L. Grubb Sara L. Haveman Teresa R. Hekman

Lindsey M. Hendricks

Philip A. Hsu

Ronda J. Kaemingk Lyndsey A. Kamen Meghan L. Katt

Nicole L. Kinczkowski Stephanie J. Klaassen Amy J. Lambert Corinne N. Land Mari C. Mallekoote

Lindy J. McLean

Kristina R. Moelker Jennifer A. Neumann Michael J. Noorman Heidi C. Olafsson

Kylene L. Ollar Michael R. Ott Michelle L. Page

Grant C. Smith

Mariah D. Palmer Jennifer L. Rodgers Jill M. Rottman Kari L. Sieplinga

Hayden R. Smith Trisha C. Stienstra Lisa J. Struck Cheri A. Swier

Christina M. Talen Amy B. Thompson Lindsay N. Van Dellen Jamie L. VanderLaan Laura J. Vander Male Tara N. VanderSluis Nathan B. Vander Wal Elizabeth A. Vander Zwaag

> Jonathan P. VerMerris Sarah M. Versteeg Stephen J. Vis Jill A. Vredeveld Joanne R. Whitehouse Nathan J. Wiechel Mindy L. Worst

Michelle J. Vannette

Eric M. Venema

Education Program:	Janelle M. Derks	Lindsey C. Reed	Mark R. Van Goor
Secondary Education	Maria C. Derks	Corrie D. Reimer	Chad S. VanHouten
3	Heather M. De Vries	Adam J. Rhodes	Crystal L. VanKooten
Mark S. Ausema	Karel W. deWaal Malefyt	Leah M. Richert	David R. Van Noord
Kristin M. Azkoul	Heidi S. Droge	Joel T. Rietema	Erica J. Van Pelt
usann Baas	Abby M. Fazio	Gretchen M. Roth	Rachel L. VanRegenmorte
amuel A. Beals, Jr.	Eric P. Flores	Daniel P. Schenkel	Amy R. Van Stensel
imee L. Bell	Rhonda A. Hartgerink	Jason D. Schueller	Daniel M. Van Timmeren
Deborah L. Benjamin	Daniel P. Hoekstra	Emily L. Schultz	Tracy L. Verlare
Aark D. Bonner	Sarah E. Kamphuis	Matthew J. Sicilia	Mark A. Vogel
Karen A. Bos	Laura A. Kaurin	Lorena A. Slager	David E. Weaver
andra R. Braat	Susannah K. Knust	Matthew J. Stackowicz	Megan A. Welsh
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angela M. Buys	Kristen A. Lumkes	Katherine E. Swart	Rhonda J. Williams
Ieidi L. Camp	Johana S. Marich	Carolynne M. Taylor	Kevin D. Witte
cott W. Conley	Nathan J. Martin	Kristin L. Triemstra	Darren R. Wolterstorff
Kate E. Conrad	Jennifer E. Mathewson	Erinn E. VandenBerg	David J. Young
ena L. Cooksey	Kathryn E. Patterson	Sara N. VandePol	Lori J. Zomerlei
Christina DeHoog	Rachel L. Post	Rebecca E. Van Elk	Robyn A. Zondervan
Airiam S. De Jong			
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pecial Education	Joel A. Copley	Jessica M. Kissinger	Nathan D. Warsen
•	Janna M. Davis	Laurie J. Koops	Jennifer B. Wigboldy
	Jackie A. Eisenga	Laurel A. Laukhuf	
SACHELOR OF SCIENCE	Dominique I. Van Hill		
N SPECIAL EDUCATION	Dominique L. Van Hill		

BACHELOR OF SCIENCE IN ACCOUNTANCY	Sara B. Ahrenholz Grace M. Bolles Brian M. Braat Timothy C. Bruinsma Joshua A. Cole Brian T. Drenth Rebecca J. Eppinga	Elizabeth A. Grossenbacher Melanie S. Karelse Robert A. Kol, II Carolyn M. Kooy Jill K. Koster Lindsay L. Livingston Eric D. Mellema	Jeffrey J. Sharda Alison A. Stob Roxanne L. Sterling Nathan A. Ter Beek Steven J. Triezenberg Betsy E. Vis Christopher G. Voogd
	Timothy M. Groeneveld	Amy N. Redfield	Kristine M. White

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BACHELOR OF SCIENCE IN NURSING Melanie M. Afman Rebecca J. Berkhof Amy J. Berkompas Janelle S. Bierenga Christine M. Bosma Lindsay A. Brown Julie L. Dannenberg Katherine A. De Wit Rebecca L. De Young Erin M. Feenstra	Laura L. Gelderloos Tara N. Goei Kristin M. Hapner Christine A. Herrema Melissa J. Herrewynen Robyn A. Horton Kelly L. Johnson Leah J. Josephson Rachael M. Koning Courtney L. Koster Gabrielle F. Koval Lisa A. Landers David E. Lee	Elizabeth A. Lemmen Nicole L. Luurtsema Joshua M. Meringa Kathryn N. Nelson Jennifer M. Nicholas Jonathan D. Nykamp Johanna R. Pfeiffer Lauren M. Rennau Kari L. Richards Sarah J. Schiebout Jennifer E. Scholtens Katie M. Schramm Christie L. Schutt	Jacqueline A. Seed Heather E. Stafford Dana M. Stoel Sherri L. Talbot Rebecca S. Troast Lisa J. Vander Molen Tara L. Vander Molen Rene' E. VanDommelen Erin E. Veldhof Rachel I. Veltkamp Jennifer S. Visser Katie S. Weening Jennifer L. Wittingen

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CANDIDATES WHO HAVE BEEN AWARDED GRADUATE SCHOLARSHIPS, FELLOWSHIPS, AND ASSISTANTSHIPS

Kristen R. Admiraal Hartford Internship, University at Albany

Ryan M. Admiraal NSF-VIGRE Traineeship & Fellowship (Mathematics), North Carolina State

University; Fellowship, Ohio State University; University of Washington; Teaching Assistantship, University of Illinois

Nathan P. Bosscher Teaching Assistantship (Mechanical Engineering) University of Illinois, Urbana-

Champaign; University of California-Santa Barbara

Jessica L. Bratt Princeton Seminary Presidential Fellowship

Kathryn L. Brinks Traineeship (Speech & Language Pathology), Vanderbilt University; Assistantship,

Central Michigan University; Western Michigan University

Bradley J. Brummel Assistantship (Organizational Psychology), University of Illinois, Urbana-

Champaign; Purdue University

Christa D. Butzin Fellowship (Speech Pathology), Northern Michigan University

Kevin A. Byle Research/Teaching Assistantship (Clinical Psychology), Ball State University

Kiki Chu Fellowship (Biochemistry), University of Wisconsin; Michigan State University;

Pennsylvania State University

Adam K. Derrickson United States Air Force Health Professions Scholarship (Medicine), Loma Linda

University School of Medicine

Timothy S. DeVries University Regents Fellowship (Chemistry), University of Michigan

Megan J. Feenstra Scholarship (Architecture), Columbia University; University of Michigan; Fellow-

ship, North Carolina State University

Steven J. Geelhood Teaching Assistantship (Chemical Engineering), University of Washington

Melissa M. Getz Assistantship (Biochemistry), University of Michigan

James G. Gilmore Teaching Assistantship (Theatre), Bowling Green State University

Jessie R. Glover Fellowship (Theatre), University of Minnesota; Ohio State University; University of Maryland

Kathryn Ann Harris Tuition Grant (Education), Seton Hall University

April J. Hoekstra Fellowship (Communication Disorders), Ohio State University; Research Assistant-

ship, Central Michigan University

Erin A. Jenkins Scholarship (Clinical Psychology), Wheaton College Graduate School

J. Rowley Kennerk Pew Younger Scholars Summer Seminar

Katherine M. Kladder University Fellowship (Speech & Hearing Science), Ohio State University

Joel K. Klooster NCAA Postgraduate Scholarship, (Electrical Engineering)

David A. Koop Teaching Assistantship (Computer Science), University of Wisconsin; Teaching

Assistantship (Mathematics), University of Wisconsin; University of Illinois;

University of Washington

1
Teaching Assistantship (History), Ohio State University
Doctoral Fellowship (Water Resources Engineering), University of Illinois, Urbana-Champaign
Dean Scholarship (Social Work), University of Michigan
Scholarship (Medicine), Wayne State University; Scholarship (Law), Duke University; Georgetown University; University of Notre Dame
Research Assistantship (Psychology), Lehigh University
Fellowship (Mechanical/Aerospace Engineering), University of Notre Dame
Fellowship & P.E.G.S. Scholarship (Political Science), Ohio State University; Assistantship, University of North Carolina-Chapel Hill; Michigan State University; University of Minnesota; Northwestern University
Fellowship & Assistantship (Speech Communication), Texas A & M University
Fellowship (History), Boston College
Bernard & Dorothy Hamstra Scholarship, Calvin Theological Seminary
Michigan Scholar, Hartford Geriatric Fellowship (Sociology), University of Michigan
Teaching Assistantship (Structural Engineering), Purdue University; Scholarship, University of Michigan

Western Michigan University

University; Boston University

Fellowship, Princeton Seminary

Wisconsin-Madison

Associate Instructorship (Criminal Justice), Indiana University

Research Assistantship (Philosophy), Institute for Christian Studies

Graduate Excellence Fellowship, Iowa State University

Grant, Chicago Law School; Harvard Law School

Rackham Education Scholars Award, University of Michigan; Greenleaf Scholarship,

Scholarship (Political Science), Northwestern University; Duke University; Cornell

Teaching Assistantship (Mechanical Engineering), Michigan State University

Teaching Assistantship (Engineering), Virginia Polytechnic Institute; ECpE

Assistantship (Health Psychology), Carnegie Mellon University; University of

Research Assistantship (Chemical Engineering), University of Pittsburgh

Presidential Fellowship (Religious Studies), University of Virginia

Timothy R. Lauger

Marla N. Love

Bryan P. Linn

John J. Monda

Erin J. Nowak

Elias Ortega

Joshua R. Pater

Jonathan M. Phillips

Chad Michael Weener

Kenneth J. Morgan

Robert Nederhood

GRADUATES WHO RECEIVED CALVIN-AWARDED SCHOLARSHIPS FOR 2001-2002

Calvin National Merit Scholars

Jordan Adema Suzanne A. Bauml Rachel M. Brown Timothy S. DeVries Rebecca L. De Young Mark A. Faasse Kathryn E. Floyd James G. Gilmore Nicolas J. Hoekema David A. Koop Kelli M. Mulder-Westrate Robert Nederhood Matthew D. Schmitz Ruth M. Speyer Nathan J. Stout Sara C. VanderHaagen Rebecca E. Van Elk Kathryn E. VanNoord Michelle L. Visser Andrew H. Wall

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Nathan J. Jonker Susannah K. Knust Amy J. Lambert Rebecca G. Marsh Erin I. Nowak Grace A. Onderlinde Jennifer B. Pastoor Joshua R. Pater David F. Ritsema Scott A. Robertson Benjamin M. Roy Margaret L. Runyan Nathan S. Schmid Timothy J. Scholten Jenna Č. Sieplinga Kari L. Sieplinga Miranda I. Spriensma Patricia C. Staible Maria K. Stapert Lvnne A. Tan Bethany M. Tanis Rvan G. Tetzloff Carrie L. Titcombe Rebecca S. Tyler Mark T. Vander Lugt David A. Van Dvke Chad M. Weener April Wheeler

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Vermeer Presidential Scholarship

Melissa D. Boerman Katherine C. Jacobs

Calvin Mosaic Award

Susan J. DeBoer Lisa J. Deters Raquel J. Gonzalez Nicholas S. Mathis Adriana M. Ribeiro

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Melanie S. Hanson

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Gabrielle F. Koval

Adam A. Kuipers Elizabeth A. Lemmen Lindsay M. Lemstra Nicole L. Luurtsema Seth P. McCormick Danielle R. McMinn Laura N. Medema Andrew S. Miedema Kathryn S. Miller Sarah M. Moon Jonathan M. Phillips Matthew J. Post Lindsey C. Reed Gretchen M. Roth Daniel W. Shannon Jeffrey J. Sharda Matthew J. Sicilia Abigail L. Smith Cheri A. Swier David S. Sytsma Christina M. Talen Amy B. Thompson Kendra L. Toonstra Steven J. Triezenberg Amy R. Van Stensel Sarah M. Versteeg Greg T. Welsh Jennifer B. Wigboldy Kevin D. Witte Darren R. Wolterstorff David J. Young Janel C. Zuidema

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Melinda L. Berry Janelle S. Bierenga Nicholas A. Blystra Kristin M. Bohlman Christine M. Bosma Jonathan H. Bosman Peter A. Bratt Lisa J. Breuker Amy L. Busch Scott W. Conley Susan J. DeBoer Kristi E. DenBlevker Janelle M. Derks Lisa J. Deters Kristine L. DeVries Katherine A. De Wit Joseph L. Dieleman Stephanie P. Favazza Michelle S. Freeman Charissa D. Fynaardt Laura L. Gelderloos Tara N. Goei Elizabeth A. Grossenbacher Virginia M. Hamersma David J. Heeringa Brian S. Hibma Brvan J. Hoekstra Daniel P. Hoekstra Marcel Hoff Sarah E. Kamphuis Philip H. Kooy Jill K. Koster Kyle R. Langlois Laurel A. Laukhuf Hazel B. Lewis Anne A. McWhertor Aaron M. Medema Aaron J. Meeuwsen Craig R. Mulder Jori N. Murchie Jennifer A. Neumann Eric V. Neutzling

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David K. Hutchful

Post-Baccalaureate Scholarship

Jason A. Powell

Academic Achievement Award

Elizabeth A. Armbruster Kristin M. Azkoul Susann Baas Jennifer E. Baggett Rebecca D. Barton Grace M. Bolles Elisabeth A. Bont Michelle L. Bowen Peter A. Bratt Holly M. Byker Robyn J. Clover Maria C. Costa Michelle Daining Kristi E. DenBleyker Lisa I. Deters Jonathan deVries Austin B. Dosh Jackie A. Eisenga Rebecca J. Eppinga Melissa J. Essenburg Elizabeth J. Evenhouse Charissa D. Fynaardt Laura L. Gelderloos Joshua D. Gilliland

Erik A. Granev Catherine J. Gray Eunice E. Ham Lucas K. Hamstra Melanie S. Hanson Amanda O. Harnish Kathrvn A. Harris Jerome M. Harter April J. Hoekstra Courtney J. Hoekstra David K. Hutchful Mark A. Jonker Leah J. Josephson Katherine M. Kladder Daniel T. Kokmeyer Robert A. Kol. II Rachael M. Koning Jeffrey R. Krosschell Laurel A. Laukhuf Brvan P. Linn Johana S. Marich Andrew S. Miedema Kathrvn S. Miller Sarah M. Moon Rebecca L. Nieboer Heidi C. Olafsson Larissa L. Onderlinde Mariah D. Palmer Kiriyon Pen Carlson Jennifer L. Peterson Matthew J. Post

Rachel L. Post Corrie D. Reimer Rachel A. Rieger Rebecca A. Schaafsma Michelle L. Schaap Dara S. Scherpenisse Stephen J. Schultze Christie L. Schutt Kevin W. Sharpe Leonard Sidharta Julie A. Slate Grant C. Smith Matteah F. Spencer Ryan D. Sprenger Paul H. Stob Lisa J. Struck Katherine E. Swart David S. Sytsma Steven J. Triezenberg Renee E. Vandenberg Elizabeth A. Vander Zwaag Brian A. Van Eyk Jeremy T. Van Haitsma Rachel I. Veltkamp Betsv E. Vis Stephen J. Vis Jill A. Vredeveld Kenneth J. Westrate. Jr. Darren R. Wolterstorff Sung-Ae Yang Rachel M. Zylstra

GRADUATES WHO RECEIVED NAMED SCHOLARSHIPS AND AWARDS

Outstanding Accounting Student, Institute of Management Accountants

Robert A. Kil II

Alticor Inc. Free Enterprise Scholarship

Kevin J. Huisman

Alumni Association Interim Scholarship

Alysha B. Chadderdon Karissa N. deKoning Sherri L. Talbot

Alumni Association Minority Scholarship

Elias Ortega

Alumni Association Service Scholarship

Laura M. Hofman Kristin J. Paxton Stacey J. Workman

Alumni Chapter Scholarship - Southeast Wisconsin

Lyndsay K. Heinkel

Kristen A. Lumkes Timothy J. Scholten Rebecka L. Smukowski

Arvin Meritor Key to Success Scholarship

Brent W. DeVries

Barbara Gezon Baker Scholarship for Academic Excellence in Sociology & Social Work

Kathryn J. Hulst Rachel A. Rieger

Bank One, Michigan Scholarship

Moise Derosier

Bargman Foundation Scholarship

Ericko Yulianto

Clarence and Nelly Battjes Memorial Scholarship

Andrew S. Miedema Steven J. Triezenberg

Clarence & Anne Beets Scholarship Anna L. Weber	Jeffrey J. Sharda O.K. Bouwsma Memorial Award in Philosophy	Capital Region Community Foundation Scholarship Daniel W. Shannon	The History Department John DeBie Prize Chapin L. Rydingsward
James F. Bere' Memorial Scholarship Raquel J. Gonzalez	Jennifer E. Baggett Sandra Bowden Art Scholarship	Llewellyn L. Cayvan String Instrument Scholarship Karen J. Abrams	De Groot Family Scholarship Sergio Cira Arif P. Hidayat
Bere' Memorial Scholarship Raquel J. Gonzalez	Miriam E. Vanderkooy Connie Bratt Social Work Scholarship	Tracy L. Verlare James and Judith Chambery Scholarship	Jennie and Gerrit De Haan Memorial Scholarship Raquel J. Gonzalez
Leah Berends Nursing Scholarship Sherri L. Talbot	Derek S. Plantenga Renee E. Vandenberg	Erinn M. Boot Rebecca S. Tyler Christian Missionary	DeKryger-Monsman Memorial Prize Chad M. Weener
Beversluis Award in Christian Philosophy of Education Nicole J. Gazendam	Janice Broekhuizen Music Scholarship Gretchen E. Steen Amy R. Van Stensel	Foundation Scholarship Lisa M. Boyle Alysha B. Chadderdon Katherine M. Disselkoen	De Vries-Post Teacher Education Scholarship Eric P. Flores
Paul H. Boonstra Memorial Award in Mathematics Education	Henry Bruinsma Family Scholarship Laura M. Hofman	Eunice E. Ham Jennifer L. Peterson Johanna R. Pfeiffer Christie E. Rebba	Johana S. Marich DeVries/Visser Scholarship Charissa D. Fynaardt
Maria K. Stapert Board of Trustees Knollcrest Scholarship	Ronald Buikema Memorial Scholarship Dae-Keun Chung	David S. Sytsma Sara L. Vissers Judith DeJong Clousing	Brian L. DeWall Memorial Scholarship Matthew J. Thelen
Caleb B. Coddington Kristina R. Moelker Michael J. Noorman Daniel P. Schenkel	Margaret and Douglas Bush Family Business Scholarship Travis A. Buys	Disabilities Scholarship Ryan L. DeKruif Elsa Cortina Outstanding Senior Award	Kathryn De Weerd Memorial Scholarship Nicole A. Flikkema
Edgar G. Boeve' Art Scholarship Christopher J. Filippini Jessie R. Glover	Lindsay L. Livingston Gordon & Rose Buter Business Admininstration	Christina DeHoog Daimler Chrysler Minority Scholarship	Janel C. Zuidema Diekema Family Scholarship Damon J. Shearer
John A. Bolt Memorial Scholarship Mark A. Vogel	Scholarship Brian M. Braat Brian T. Drenth Rebecca J. Eppinga Kristy A. Poggemiller	Jena L. Cooksey John Daling Memorial Scholarship	Dr. Paul & Mrs. Doris Dirkse Health Care Scholarship
Robert and Marjorie Boot Scholarship Jackie A. Eisenga	CCA Computing Award David A. Koop David T. Vos	Joseph and Deanne Daverman Family Scholarship Benjamin L. Ruddell	Kathryn L. Brinks Rachael M. Koning Lisa A. Landers Laura N. Medema Sherri L. Talbot
Kate Borgman Nursing Scholarship Lisa A. Landers	Calvin Media Scholarship Paul H. Stob	John L. De Beer Memorial Scholarship	Linde J. VanDenBerg Dow Chemical Company
J. Russel Bouws/Russ' Restaurant Scholarship	Calvin Minority Scholarship Jamey D. Espinoza	Karen J. Abrams	Foundation Scholarship Matthew D. Schmitz

Scholarship Jamey D. Espinoza Michelle S. Freeman

Catherine J. Gray Amber J. Hoekstra

Patricia S. Duthler	
Scholarship	
Maria C. Costa	

Daniel C. Duvst Memorial Scholarship

Timothy R. Lauger Anthony J. Milanowski

Bryan Dykstra Nursing Scholarship Christie L. Schutt

Stephanie L. Dykstra Memorial Scholarship

Angela L. Ritsema Dvkstra Family Non-

Traditional Student Scholarship Catherine A. VandeWege

William B. Eerdmans **Literary Award**

Timothy A. Thompson

Elmhurst Christian Reformed Church Scholarship

Matthew J. DeJong Rhonda A. Hartgerink Rachel A. Rieger Daniel D. Van Prooven Darren R. Wolterstorff

J. Herman and N. Lucile Fles Scholarship

David M. Dvkhouse Melanie S. Karelse

Ford Motor Company Diversity Scholarship Damon J. Shearer

Outstanding Senior

Award in Biochemistry Kiki Chu

Outstanding Senior Award in Chemistry

Timothy S. DeVries

Outstanding Senior, Geology, Geography, and Environmental Studies Award

Sebastian W. Naslund

Helene Hekman Gezon Voice Award

Laura M. Hofman Darren R. Wolterstorff

Allene Huizenga Goguen Music Education Scholarship

Sara N. VandePol

Beulah B. Goodenough Memorial Scholarship Amy B. Thompson

Edna Greenway Scholarship

Christina DeHoog Mae Groeneveld Scholarship

Elizabeth A. Vander Zwaag Carl and Sandra Gronsman

Family Scholarship Emily L. Schultz

William and Winifred Haeck Medical Scholarship Adam K. Derrickson

Mark T. Vander Lugt

Hamstra Foundation Scholarship

Kate Schuurman Lisa J. Struck

George G. Harper Scholarship Susan J. DeBoer

Hearst Foundation Scholarship Kirivon Pen Carlson

Heritage Class Scholarship

Elias Ortega

Dr. Peter D. Hoekstra **Memorial Award**

Bethany M. Tanis

Dr Roger A. and Bradley J. Hoekstra Toward Christian Excellence in Medicine Award

David J. Holquist Scholarship Damon J. Shearer

Priscila S. Ribiero

Harmon D. Hook Memorial Award Rebecca E. Van Elk

Organ Scholarship Katherine E. Swart

Marge Houskamp

David and Shirley Hubers Scholarship Lindy J. McLean

Huddleston Family Exercise Science Scholarship

Candice M. Vandergriff **Howard Hughes Medical**

Institute Scholarship Erinn M. Boot David F. Ritsema Benjamin M. Roy David A. Van Dyke Michelle L. Visser

Dr. and Mrs. Lee Huizenga Memorial Scholarship Sarah M. Moon

International **Opportunities Scholarship**

Melinda L. Berry

Ken and Joyce Jipping Family Scholarship Jason D. DeVries

Martin and Frances Karsten Biology Scholarship

Emily L. Hoekwater Benjamin Hoff Noah A. Jansen

Corrine E. Kass Graduate Studies Scholarship

Mariorie L. Cooper Deborah M. Van Duinen

Kent Medical Achievement Award Scott A. Robertson

Kent Medical Foundation Grant Joshua M. Meringa

Gerald L. Klein **Memorial Scholarship** Nathan J. Martin

Dr. Harry Kok **Memorial Scholarship** Ryan M. Admiraal Jackie A. Eisenga

Bret and Marlene Kort Award in Medicine David F. Ritsema

Kenneth J. Konyndyk Jr. **Scholarship** Leonard Sidharta

Leonard M. Krull **Scholarship**

Sarah E. McClure Betsy E. Vis

John A. Kuiper Family **Scholarship**

Sara N. VandePol

Kenneth and Lillian Kuiper Family Scholarship Rhonda A. Hartgerink

Kuipers Family Scholarship for the Calvin College Band	Mephibosheth Scholarship Kathryn A. Harris Julie A. Slate	Ann Janssen Noteboom Scholarship Melinda L. Berry	Roels Business Scholarship Angela L. Westerbeke
Melanie M. Afman Milton and Carol Kuyers Family Nursing	Miller Foundation Scholarship Aaron P. Puff	Student Award for Excellence, Sigma Theta Tau, National Nursing Honor Society	Pauline Roskam Memorial Scholarship Matthew J. Stackowicz
Scholarship Rachael M. Koning	Arnold Christopher	Rebecca L. De Young	Schemper-Kamp Family Scholarship
Sarah J. Schiebout Dana M. Stoel	Minderhout Memorial Scholarship	Kenneth and Katherine Olthoff Family Scholarship	Katherine E. Swart
Latin Award	Winny Soenaryo	Robyn J. Clover Jennifer B. Wigboldy	Paul and Thelma Schutt Family Medical Scholarship
Katherine E. Swart	Jay and Lois Mol Family Scholarship	David M. Ondersma	Rachael M. Koning
Lighthouse Scholarship Sung-Ae Yang	Nicole J. Gazendam Michael J. Noorman	Family Scholarship Michael J. Noorman	Marion and Nella Snapper Scholarship
J.C. Lobbes Scholarship Cheri A. Swier	William and Matilda Monsma Scholarship Rebecca S. Tyler	Oratorio Society Applied Music Scholarship Maria K. Stapert	Christina M. Talen Spalink Memorial Missions Scholarship
MCF Staff Scholarship Rebecca L. Noricks	Arnold and Cynthia	Thomas J. Ozinga	Joseph L. Dieleman
McGregor/Miller	Morren Family Scholarship Adam J. Rhodes	Internship Award Paul H. Stob	Angeline Nydam Spoelhof Memorial Scholarship
Scholarship Alysha B. Chadderdon	Carrie L. Titcombe	Alan and Jan Pauw	Rachel L. VanRegenmorter Kevin D. Witte
Jennifer L. Peterson Emily L. Schultz Cheri A. Swier	Blake, Elise & Macy Morren Memorial Scholarship	Family Scholarship Eunice E. Ham	Standard Federal Bank Scholarship
Andrew J. VanDam	Rebecca J. Berkhof	Peace and Justice Scholarship Sarah J. Kramer	Ericko Yulianto
Dr. and Mrs. Bernard Meeuwsen Medical	Patti J. Morren Memorial Scholarship	Erin M. Sytsma	Steelcase Foundation Scholarship
Scholarship Leah J. Josephson	Joel A. Copley Jackie A. Eisenga Laurie J. Koops	Cornelius A. and Lettie G. Plantinga Scholarship Bradley J. Brummel	Brenda N. Autsema Travis A. Buys Kevin J. Huisman
Mentoring Scholarship Carrie A. Brollier	Jenna C. Sieplinga	Burke E. Porter Machinery	Dr. Barney Steen Scholarship
Lumila M. Castillo Moise Derosier	Naomi Scholarship Jerome M. Harter	Company Scholarship Nathan S. Schmid	for Physical Education Johana S. Marich
Anthony K. Graves Eunice E. Ham David K. Hutchful	Norman and Anne Noordeloos Keyboard Award	Rainbow Foundation Scholarship	Wilma Steketee-Bean Scholarship
Rohit Kapuria David E. Lee	Rebecca L. De Young Marcel Hoff	Janelle S. Bierenga	Stephanie J. Blossey
Rebecca L. Nieboer Benjamin L. Ruddell Leonard Sidharta	Peter B. Northouse Family Scholarship	Rietberg Family Scholarship Katharyn J. Venhuizen	Edward C. and Hazel L. Stephenson Foundation Scholarship
Lynne A. Tan Rohan Thomas	Erin M. Sytsma	William Rinck Memorial Prize in Mathematics	Sebastian W. Naslund Negasi A. Tewoldemedhin
		David A. Koop	

Earl Strikwerda Memorial Scholarship

Lynne A. Tan Bethany M. Tanis

Summer Ministries Grant

Christina M. Talen Chad M. Weener Stacey J. Workman

Seymour Swets Voice Award

Karel W. deWaal Malefyt Marcel Hoff

John R. & Marie A. Swierenga Brass Scholarship

Aaron M. Medema

The Bernard J. TenBroek "Excellence in Secondary Education" Award

Chad S. VanHouten

The Bernard J. TenBroek

"Excellence in Biology in Research" Award

Kelly N. Ballast

Richard R. & Kathleen J. Tiemersma Scholarship

Elisabeth A. Bont

United Parcel Service (UPS) Scholarship

Jennifer M. Nicholas Heather E. Stafford Lisa J. Vander Molen

Henry Van Andel Memorial Scholarship

Linnea K. Engblom

Vande Guchte Award in Communication Disorders

Kathryn L. Brinks

John Van Dellen Scholarship in Political Science

Joshua R. Pater Corwin D. Smidt

Charles J. VanDenBerg Family Business Scholarship Kevin W. Hawkins

Fred and Carol Vanden

Bosch Scholarship Melissa D. Bronson Patricia A. Servais

William and Anna Vanden Bosch Scholarship

Jessica L. Bratt Johana S. Marich

Vander Ark Family Scholarship

Heidi S. Droge Mariah D. Palmer Jennifer L. Rodgers

Edward D. and Jennie VanderBrug Memorial Scholarship

Nicholas S. Mathis

Vander Haagen Family Scholarship for Church Musicians

Sarah A. Sikma Erin J. Wigboldy

Kevin D. Witte

John S. Vander Heide. III

Memorial Scholarship Travis M. West

Joseph and Ralph Gelmer Vander Laan Memorial Scholarship

Joel K. Klooster Rebecca L. Nieboer Johanna R. Pfeiffer

Sammie Vander Laan Nursing Scholarship

Tara N. Goei Johanna R. Pfeiffer

Vanderploeg-Edgerly Scholarship

Andrea C. Kloostra

Randall K. Vander Weele **Memorial Scholarship**

Robert A. Kol, II Jennifer K. Schrik

Steve J. and Viola Van Der Weele Scholarship

Janet D. Van Dyke **Education Scholarship**

Sarah E. Bailey

Jared R. Benthem Kristi E. DenBlevker Elizabeth J. Evenhouse

William H. Van Dyke **Memorial Scholarship** Katherine A. De Wit

John and Lillian Van

Oosten Scholarship Kelly N. Ballast Timothy S. DeVries

Kenneth J. Van Spronsen

Memorial Scholarship Daniel J. Klein

Philip H. Kooy

George J. Van Wesen **Memorial Scholarship**

Bethany J. Buning Suzanne A. Fischer Kvlene L. Ollar Grant C. Smith Lisa J. Struck

Bernard Vellenga Jr. **Scholarship**

Ryan D. Sprenger

Nathan L. Bierma

Grace Dykstra Vellenga **Scholarship**

Lois R. (Post) and Nelson

L. Veltman Education Scholarship

Pat Snyder Verduin Scholarship

Kari L. Sieplinga

Abby M. Fazio

Victor Ver Meulen **Medical Scholarship**

Melanie M. Afman Robyn A. Horton Lisa A. Landers

Joshua M. Meringa Sarah J. Schiebout Jacqueline A. Seed

Beth L. Vander Heide Rene' E. VanDommelen

Geraldine Vogelzang Leadership Scholarship Erek J. Koovman

Charles and Anna Wabeke Memorial Scholarship Jeremy T. Van Haitsma

Rev. David Warden Pre-**Seminary Scholarship**

Westerbeek Family Scholarship Kiki Chu

Nicholas A. Blystra

Samuel L. Westerman **Foundation Scholarship**

Rene' E. VanDommelen Dr. Morris Wilderom

Scholarship Andrew C. Michmerhuizen Sarah M. Moon

Scholarship for Women in Business Kathleen M. Minkner

John and Betty Zandee

Organ Music Award Winny Soenaryo

Steven M. Zifferblatt **Memorial Scholarship** David A. Van Dyke

Zondervan Greek Award

Kathryn E. Floyd

DEPARTMENTAL BANNERS

Throughout history, colorful banners have been used to mark important religious and civic events and to celebrate the vision and spirit of the participants in such events. The departmental banners displayed at this occasion arise from an awareness of this tradition and are meant to continue it. Besides symbolically revealing the richness of the various disciplines at Calvin College, the banners graphically represent their distinctiveness. Although their colors are mostly in keeping with traditional associations—scarlet for religion and theology, blue for education, orange for engineering—their forms combine the traditional, the contemporary, and the abstract.





Biology





Chemistry and Biochemistry

Classical Languages





Communication Computer Arts & Sciences Science

Art Department

An abstract eye and hand symbolize artistic expression through the artist's sense of sight and touch. Bright colors against black suggest creative boldness.

Biology Department

Dominating the biology banner is a symbol representing the structure of the DNA molecule, deoxyribonucleic acid. The structure of this fundamental material of life, the chemical basis of heredity, was revealed in 1953 and actually photographed in 1969.

Chemistry and Biochemistry Department

The main symbol used in this banner is the electron distribution for tetrahedral hybrid orbitals, which represents the chemical activity of the elements and their compounds. Two segments of a crystal structure are included in the design, which are also the floorplan shape of the science building. The shaft of pale yellow symbolizes the light of investigation. Yellow is the traditional color associated with science.

Classical Languages Department

While the lyre and the wolf may be taken individually as symbols of Greece and Rome, together they portray the unity of the two civilizations and its cultural achievement, the union of art and nature, and of poetry and myth. Horace has given this continuity and fusion of the two traditions of Greece and Rome its classical literary expression in his odes, of which none better, perhaps, than the "Integer vitae" ode conveys the intention of this banner.

Communication Arts and Sciences Department

Sound waves emanating from a central core symbolize communication through speech and drama. The reversal of the outward movement suggests feedback in communication. Silver gray is the color traditionally assigned to speech and drama.

Computer Science Department

The banner of the Computer Science Department features a Turing machine, the foundational model of digital computation. The zeroes and ones on its tape reflect the binary logic by which digital computation is implemented. The changing colors and order of the numbers express the transition as data move from input through processing to output. The white shaft and its golden sheath symbolize the light and energy of education and the sciences. The flowing wind symbolizes the transforming work of the Holy Spirit as it infuses the discipline of computing.



Economics & Business



Education



Engineering



Geology, Geography, & Environmental Studies



French

Germanic Languages



Health, Physical Education, Recreation, Dance, and Sport

Economics and Business Department

Shapes and lines express the charting and planning of economic budgets. Subtly appearing among other symbols is a cross expressing the Christ-centered teaching of economics at Calvin College. Copper is the color associated with economics.

Education Department

The relationship of teacher and student in the educational process is represented by the forceful interaction of shapes in this design. The white shaft symbolizes the light of learning in the Holy Spirit. Blue is traditionally linked with education.

Engineering Department

The Engineering banner illustrates the key activity of engineers, namely, their involvement with the design process, an iterative, decision-making sequence. Steps in the sequence, represented by circles and rectangles, are connected by arrows to indicate the movement from the initial problem statement to final solution. Two-way arrows suggest the possibility of sequence reversal. Orange traditionally designates engineering.

English Department

The two main symbols, the lion and the eagle, represent England and the United States of America. The lozenge pattern in the background expresses the pageantry of England during the development of the English language.

French Department

The banner of the Department of French features the Coq Gaulois, long a national emblem of France, and the Arch of Triumph, a symbol of French patriotism. The cock, traditionally the Christian symbol for watchfulness, has been adopted as its symbol by a nation which since its inception has been one of the important cradles of Christian thought and practice. The colors of the national flag are represented by the Coq Gaulois.

Geology, Geography, and Environmental Studies Department

Earthkeeping, the human community's care for God's earth, is symbolized in the banner for the Department of Geology, Geography, and Environmental Studies by representations of atmosphere, mountains, cities, water, and the various levels of the earth's interior. The white shaft symbolizes the light and energy of learning stimulated by the Holy Spirit.

Germanic Languages Department

The study of the Dutch and German languages is represented by symbols taken from emblems of the countries associated with these languages. The traditional black eagle represents Germany, and the orange lion is from the seal of the Netherlands. The white shaft symbolizes the light of learning.

Health, Physical Education, Recreation, Dance, and Sport Department

Engaged in exercise, sports, and dance, a person in motion is suggested by the movement of rhythmical shapes and lines. Sage green is the color associated with physical fitness.



History



Library



Music



Mathematics

& Statistics

Nursing



Philosophy



Physics and Astronomy

History Department

Jagged horizontal bands, representing both the rise and fall of civilizations and the four kingdoms as described in the Book of Daniel, move across vertical time lines, which also symbolize the dramatic influence of Christ on history.

Library

The library as a gatherer, receptacle, and distributor of information, ideas, and learning is represented by the abstract book shape, while the white, flowing shaft itself symbolizes the light and energy of learning in the Holy Spirit of God. The flame is the traditional symbol of learning and discovery through research.

Mathematics and Statistics Department

Mathematicians have always saved time and effort by substituting symbols for words. The basic arithmetical steps of adding, subtracting, multiplying, and dividing are depicted on this banner by some of the earliest ways of writing them down.

The Renaissance calculator Tartaglia used the first letter of the Italian word for plus to signify adding. Diophantus favored this minus sign in Greek times. Leibniz employed this multiplication symbol in 17th-century Germany. J. E. Gallimard used this reverse *D* for division in 18th-century France.

Music Department

The design of the Music banner emphasizes the rhythms of musical sounds. Shapes and lines suggest strings, valves, keys, horn bell, drum, and other musical forms. Radiating circles suggest sound waves. The colors express the various moods of music.

Nursing Department

The traditional emblem of nursing, Florence Nightingale's lamp, is featured in the banner for the Department of Nursing. The flame of the lamp symbolizes the light of Christian compassion and education. The gold of the lamp is the traditional color for science. The background apricot color is the academic regalia color for nursing, while the white shaft represents peace through the Holy Spirit.

Philosophy Department

Light refracted through a transparent prism symbolizes the many-faceted investigations of fact and of principles of reality and of human nature and conduct.

Physics and Astronomy Department

The construction of elements is symbolized in the Physics banner by the simplest atom, hydrogen, with its single proton and electron. Also included in the design are a tracing of the paths of particles from an atom and a segment of a crystal structure, which is also the floor-plan shape of the science building. The yellow shaft symbolizes the light of investigation.



Political Science

Religion

and Theology



Psychology



Sociology, Social Work, & Criminal Justice



Spanish

Political Science Department

The banner of the Department of Political Science features a representation of the fasces, a symbol of the authority of the state, and arrows that express the direction and flow of the analytical and holistic nature of the process of law. The fasces, a bundle of rods bound about by an ax with projecting blade, was carried before ancient Roman magistrates as a symbol of authority. The white shaft of seven rods also symbolizes peace and enlightenment through the Holy Spirit.

Psychology Department

The Greek letter *PSI*, the first letter of the Greek word *psyche* (the mind), traditionally signifies the discipline of psychology. The color red symbolizes emotion; blue, rationality; and white, peace through the Holy Spirit.

Religion and Theology Department

Three symbols of the Trinity—circle, cross, and dove—express the fullness of God as He reveals Himself as Creator, Savior, and Counselor. These symbols are interlocked to depict the oneness of God. The shaft of white is the light of learning in Christian education guided by the Holy Spirit. Scarlet is traditionally associated with theology.

Sociology, Social Work, and Criminal Justice Department

The central concept of sociology, represented by the inner circle, is a person interacting with other people to form groups. Total human society, represented by the broken circle, is composed of many small units forming a larger interrelated structure. All groups, from the family to society itself, exist within a framework of social norms. This normative or cultural framework, represented by the unbroken outer circle, promotes conformity, as suggested by the arrows directed from it toward the inner circles of society and the smaller group.

Spanish Department

The banner of the Spanish Department features the traditional symbols of the historical kingdoms of Castilla (castle), León (lion), and Aragón (red and yellow bars). These Christian kingdoms emerged during the eight-hundred-year-long reconquest of the Iberian Peninsula from domination by Muslim rulers. The separate kingdoms were joined through the marriage of Ferdinand and Isabella, and eventually coalesced into the modern nation of Spain.

Robin A. Jensen **Banners:**

Building Arrangements: Tim Beckwith, Sandy Palmatter

Commencement Reception: Creative Dining Services

Commencement Committee: Rick E. DeVries and Darlene Meyering, co-chairs, Donna Anema, Ann Baker, Sharolyn Christians, Robert Crow, Craig Farrel, Jeff Stob, Mary Jeanne Quist,

Diane Vander Pol Commencement Participants: Jonathon Bascom, Joy Bonnema, David Diephouse, Debra Freeberg, Larry Louters,

Kelli Schutte, Michael Stob, James VandenBosch FAC Master of Ceremonies: Claudia Beversluis. Dean for Instruction

Greeters: Henk Aay, Martin Bolt, Dale Cooper, Tamara Fetzer, Tom Hoeksema, Wayne Joosse, James MacKenzie, Richard Nyhof, Raymond Slager, Franklin Speyers,

Peter Tigchelaar, Glen VanAndel, Judy VanderWoude James Vanden Bosch

Litany:

Marshals: Faculty: G. Dale Topp, Ph.D., Robert L. DeVries, Ph.D. Student: Allyson A. Dziedzic, Elias Ortega-Aponte, Adam J. Stout, Sung-Ae Yang

Music: The Calvin College Band, directed by Derald De Young

Calvin College Publishing Services Design:

Publicity: Phil de Haan, Director of Media Relations; Michael J. Van Denend, Director of

Alumni and College Relations

Flowers: Eastern Floral

Ronald O. Pederson **Sculpture:** Signer: Sharon Bytwerk

Technical Assistance: Audio Visual Department, Conferences and Campus Events Technical

Services, and Calvin Information Technology

Relatives and friends are invited to a reception in honor of the graduates. The reception will be held on the Commons lawn after Commencement. In the event of bad weather, the reception will be held in the following

locations for the various departments:

Spoelhof Center: Art, Education, Political Science, Sociology and Social Work

Fine Arts Center: Communication Arts and Sciences, English, Music

Hiemenga Hall: Classical Languages, Dutch, French, German, History,

Japanese, Philosophy, Religion and Theology, Spanish

North Hall: Economics and Business, Computer Science, Mathematics and Statistics

Science Building: Geology, Geography and Environmental Studies, Nursing, Psychology **DeVries Hall:** Biology, Chemistry, Physics, Support Services

Prince Building: Engineering, Health, Physical Education, Recreation, Dance and Sport