# CALVIN

College

## 2003 COMMENCEMENT

Saturday May Twenty-four Three O'Clock

#### NOW THANK WE ALL OUR GOD

Martin Rinkart Johann Cruger

Now thank we all our God with heart and hands and voices, who wondrous things has done, in whom his world rejoices; who from our mothers' arms has blessed us on our way with countless gifts of love, and still is ours today.

O may this bounteous God through all our life be near us, with ever joyful hearts and blessed peace to cheer us, to keep us in his grace, and guide us when perplexed, and free us from all ills of this world in the next.

All praise and thanks to God the Father now be given, the Son and Spirit blest, who reign in highest heaven; the one eternal God, whom heaven and earth adore; for thus it was, is now, and shall be evermore.

#### 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 Band Ralph Vaughan Williams Processional: Sine Nomine Ralph Vaughan Williams

Pomp and Circumstance March No. 1 Edward Elgar

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

Performing in the Fine Arts Center

\*Opening Hymn: Now Thank We All Our God

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

Introduction of

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

**Commencement Address:** "A Road Map for Life"

John M. Perkins, L.L.D., D.D., Ed.D., et al. (H.C.)

President, John M. Perkins Foundation for Reconciliation and Development

Presentation of Awards: Craig A. De Witt, Ph.D., President, Calvin Alumni Association,

to Robert P. Swierenga, Ph.D., Class of 1957 and

to Paul A. Vanden Bout, Ph.D., Class of 1961, Distinguished Alumni

Remarks on Behalf

of the Senior Class: Elizabeth A. Cooper, 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: New Mexico March John Philip Sousa Gustav Holst

March from "Suite in E Flat"

\* Audience standing

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

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.

#### 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. John M. Perkins was born in Mississippi, the son of a sharecropper. When he was seventeen, his older brother was murdered by a town marshal, and John fled to California, vowing never to return. However, in 1960, after his conversion to Christ, he returned to his boyhood home to share the Gospel. His outspoken support of and leadership role in civil rights demonstrations resulted in repeated harassment, imprisonment, and beatings. Despite these hardships and in spite of dropping out of school in the third grade, Dr. Perkins has received significant recognition for his work, with honorary doctorates from institutions such as Wheaton, North Park, and Huntington Colleges.

In 1960, Drs. John M. and Vera Mae Perkins began Mendenhall Ministries, which helps the poor in rural Mississippi to meet their own needs. Seeking to show God's love in action, Dr. Perkins saw his vision grow into a ministry that is known for providing progressive local leadership within the community to address issues of poor housing, segregated education, lack of employment opportunities, and lack of capital. Currently, this ministry offers child care, legal assistance, and youth development programs; through Mendenhall Bible Church it offers adult education, a

cooperative farm, a thrift store, a housing development, Genesis One School, a health center, and a senior citizen facility.

John and Vera Mae Perkins, along with two other families, moved to Jackson, Mississippi, in 1972 to focus on the needs of inner-city families. They founded Voice of Calvary Ministries, which is devoted to urban families through housing development, year-round youth programs, health care, and homeownership training programs. In 1982, they moved across country to Northwest Pasadena, a neighborhood that once had the highest daytime crime rates in California. While in Pasadena, Dr. Perkins began the Harambee Christian Family Center. Harambee serves a twelve-block target area, working with African-American and Latino children and their families. Rudy Carrasco and Derek Perkins now head this ministry.

In 1983, John and Vera Mae Perkins, along with a few friends and other major supporters, established the John M. Perkins Foundation for Reconciliation and Development to support them in their mission of advancing the principles of Christian community development and racial reconciliation throughout the world. Dr. Perkins currently serves as president of the foundation, and speaks and teaches internationally on these issues.

#### MESSAGE FROM THE FIFTY-YEAR REUNION CLASS

Greetings from the Calvin College Class of 1953 and congratulations to each new graduate as you receive your degree from Calvin College!

The college you are leaving is considerably different from the school we attended. The campus is beautiful, the buildings are modern and new, and your class is more than triple the size ours was. Yet over the fifty years some things have not changed at all. The dedication of the administration, the interest in each student by devoted faculty, and the love, support, and pride in your accomplishment from your family are the same today as they were at the time of our graduation.

The opportunities, responsibilities, and challenges that you face are all far greater than when our class graduated. The world is a far different place, and life is much more complex now than it was fifty years ago. Members of your Class of 2003 will scatter to many countries around the globe and represent many and varied professions and occupations, but they will always bear proudly the common bond of having had a Christian, Calvin College education.

In my post-Calvin experiences, I have met, studied, worked, and played with many people who were graduates of other colleges and universities across our country and from other countries. Never have I felt that my education at Calvin was inferior. I am proud that I can say this, and I am sure that as the years pass, you will also feel the same way.

Now, at your graduation, a most important time and a very significant event, I would like to suggest to each of you that before you leave the Calvin campus and Grand Rapids, you take a moment to thank those most significant in your life—family, professors, and others—for helping to make your Calvin experience what it has been and for their sacrifices and support over the past four years or more. You are the recipient of a priceless treasure, a degree from Calvin College! You now automatically become a member of a very exclusive and proud group—the Calvin College alumni. The members of the Calvin Class of 1953 welcome you warmly.

Roger W. Postmus, Class of 1953

#### DISTINGUISHED ALUMNI

The Calvin Alumni Association is proud to present these alumni with the Distinguished Alumni Award. Persons honored in such a way have been chosen by an independent selection committee composed 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.

#### Robert P. Swierenga '57

In his career as a historian, Robert P. Swierenga '57 has moved far beyond the Dutch enclave in which he was raised, yet much of his scholarship has traced the comings and goings of centuries of his Dutch forbearers. It is a life's work for which he has received ample

recognition, including the fitting and signal honor of a knighthood in the Order of the Netherlands Lion.

"Within the historical community, the name of Robert P. Swierenga clearly ranks among the most respected. Historians have acknowledged his contribution in many fields over the decades. While some scholars make their mark in one area, Bob has earned great respect in the fields of American economic, agricultural, behavioral, and immigration history ...," wrote David G. Vanderstel '76, executive director of the National Council on Public History and a former Swierenga student.

Swierenga is also an innovator, one of the very first people to use computers to interpret historical data. "Thus, he helped to lay the groundwork for a new approach to studying the past and for training new professionals in those historical methods," Vanderstel wrote.

Born in Chicago in 1935, Swierenga was educated in that city's Christian schools before migrating to Calvin College in September of 1953, a move he describes as "axiomatic" to the Christian Reformed community of origin. "It was *onze school*—our school.... We didn't really give much thought to alternatives," he explained.

In his freshman year at Calvin, Swierenga, an aspiring business major, sought to drop a class, only to find himself nudged into his vocation. It was a history class taught by Charles Miller, an "intimidating professor" newly arrived from the American University of Beirut. Henry Ryskamp, then the academic dean at Calvin, counseled Swierenga to stay with the class.

"It didn't take me long to discover that he was a master teacher who made history so interesting. He really was my mentor," Swierenga said of Miller.

With Miller's encouragement, Swierenga earned his master's degree in history from Northwestern University. For three years, he taught social studies at Pella Christian High School, while pursuing a doctorate at the State University of Iowa. During this time, he was also starting a large family. He had married Joan Boomker ex '54 in 1956, and the couple eventually had three daughters—Suzannah, Celia, and Sarah—and two sons, Daniel and Robert, Jr.

In 1965 Swierenga's alma mater called in the person of its president, William Spoelhof, asking him to fill in for a year for a history professor who was taking a one-year leave. He took the position, despite the puzzlement of the Iowa faculty.

"Several professors said, 'Why are you going to Calvin? Why aren't you going to the university somewhere?" At the time, Calvin was considered an obscure school that couldn't offer research opportunities. Nevertheless, Swierenga returned again to what was axiomatic. "In our circles—CRC circles—this was the epitome. You couldn't ask better than to teach at Calvin."

The three years he spent at Calvin, from 1965 to 1968, were a training ground for the new professor. "Something of Swierenga's versatility was nurtured in these years as he alternated courses on American history, the history of the frontier, and quantitative

methods with course lectures on Mesopotamia, the Middle Ages, and the Reformation. In retrospect, this too would contribute to his diversity in ways a junior appointment at a research facility could never have done," wrote Henry Stout, a Calvin colleague.

Calvin also offered him a community where he took his place in the lineup of the storied Faculty Fumblers football team and served as a church elder. The words of his Iowa professors proved prophetic, however, when in 1968 Swierenga accepted a position at Kent State University in Ohio.

His reasons for leaving Calvin demonstrate how well Swierenga exemplifies the college's mission to reclaim every inch of creation for Christ. "I really felt called to go to a secular university as a Christian. I felt I was expendable as a professor and as a church member. There were so many people here who could be strong Christian professors and elders in the church."

Swierenga was soon filling both roles in his new community. He was also a pioneer in the field of quantitative analysis, using the earliest, monolithic IBM computers to upend conventional wisdom in several historical fields. He rewrote the record on everything from Iowa tax auctions to the Dutch voting records in Abraham Lincoln's election by doggedly crunching the numbers.

It was during his three nearly decades at Kent State that Swierenga began work on a treasure trove of Dutch emigration records he had discovered years before in the Calvin archives. The resulting book, Dutch Emigrants to the United States, South Africa, South America, and Southeast Asia, 1835-1880: An Alphabetical Listing by Household Heads and Independent Persons served as an authoritative reference for scholars of Dutch history. "Prior to his work, nothing so complete had been compiled for persons of Dutch origin," wrote Stout.

When not analyzing history, Swierenga was participating in it, and doing so in a redemptive way. On May 4, 1970, Ohio National Guardsmen fired on an assembly of 200 protesters on the Kent State campus, killing four students and wounding nine; Swierenga

was in a building adjacent to the scene, praying about the situation with his colleagues.

In the ensuing months, with the campus and town under martial law, with helicopters patrolling overhead and armed soldiers everywhere, Swierenga found a way to exhort the student body. He taught in Kent State's Free University, derived from informal campus "teachins." Unearthing his Calvin College *Christian Perspective on Learning* (CPOL) handbook, he taught a class on Christian worldview, along with classes on C. S. Lewis and Francis Schaeffer. "It was a non-credit course, so people only took it who wanted it," he said.

Scholarship continued to drive Swierenga. In 1996 he circled back yet again to his Dutch origins, becoming the Albertus C. Van Raalte Research Professor in the institute of the same name at Hope College. On June 10, 2000, at a conference honoring his career, Swierenga was accorded a surprising double honor. He was presented with a *festschrift*, a volume of essays written by his former graduate students. He also received a knighthood in the Order of the Netherlands Lion, bestowed on behalf of Queen Beatrix.

The knighthood, he acknowledged, is a rare honor, but so is the *festschrift*: "Probably my enduring legacy will be my students," he said. Both his students and his colleagues agree. Swierenga has supervised some forty doctoral dissertations. "He was not aloof and removed, but interested in the well-being of his students and their families, and he demonstrated a true care and concern for each student as a person." Vanderstel wrote.

Swierenga's family also testifies to his warmth and caring as a father. And he is quick to reciprocate, particularly when speaking of Joan. "She really bore the brunt (of raising the children) all those years. That's why when I receive these accolades, she shares in them," he said.

Not even honors slow Swierenga's scholarly output. At this writing, he has published 16 books and over 130 articles. He sits on the boards of scholarly journals. His latest book, a 900-page tome titled *Dutch Chicago*: A History of the Hollanders in the Windy City (Eerdmans, 2002), once again revisits his cultural

roots. "I'm really back in the Dutch ghetto again.... In a sense, I was coming back all the time," he said.

#### Paul Vanden Bout '61

The 1997 science-fiction movie *Contact* helped popularize radio astronomy. It also led to two major misconceptions: that scientists actually hear things from space, and that radio telescopes are primarily used to search for extraterrestrials.

One thing Paul Vanden Bout '61, an astrophysicist and longtime director of the National Radio Astronomy Observatory (NRAO), has never done is put on headphones. In fact, he has never heard anything from beyond the earth.

"I guess the word *radio* throws people off," said Vanden Bout in a 2002 interview for *Spark* magazine. "Radio telescopes are designed to make images of things in the universe, and different wavelengths produce different images. We're simply adding different information to what visible astronomy has given us. The Milky Way, for example, is not just stars—there's gas and dust particles and clouds of molecules. We've been able to delve into the origins of galaxies."

Radio astronomy was first recognized in 1932 as a way to "view" things in the universe impossible to observe with the eye or any visual telescope. The science did not catch on in the United States until the mid-1950s.

"Radio astronomy can detect molecules of all sorts, which help us understand the makeup and origin of celestial bodies," Vanden Bout said.

Vanden Bout and colleague Robert Brown contributed significantly to the scientific knowledge in this area in 1991 with the discovery of carbon monoxide in an interstellar gas cloud ten times farther away than any other molecular gas cloud seen previously. The presence of carbon monoxide indicated stars were forming. Vanden Bout and Brown had discovered evidence of one of the universe's earliest galaxies.

Discoveries like this are mind-boggling to many of us; yet for scientists like Vanden Bout they only reinforce his belief in an amazing Creator God. "I know other scientists have had to grapple much more than I with the faith-and-science issue," he said. "It's always been a fairly straightforward thing for me. I don't think the Bible is the source for 'how' questions; it addresses the 'why' questions. Since Galileo's time, some have worried that science will contradict the Bible. But if you don't insist on the Bible being a scientific textbook, you shouldn't have that conflict."

A physics major at Calvin, Vanden Bout has always been interested in science. After graduating from Calvin, he put off his enrollment at MIT in physics to pursue a Fulbright Scholarship in mathematics at the University of Heidelberg in Germany. There he became acquainted with current U.S. Congressman and former Calvin physics professor Vern Ehlers '56, who was in Germany on a NATO fellowship. Ehlers convinced Vanden Bout to attend UC-Berkley instead, where the young researcher met up with Alex Dragt '58. Both Ehlers and Dragt have also received the Distinguished Alumni Award from Calvin.

In fact, Vanden Bout is the fourth physicist to be recognized with this honor. "I am glad for the broad recognition of the program in physics that Calvin has built and maintained over the years," he said.

After doing his post-doctoral work at Columbia University, he accepted an appointment as a faculty member at the University of Texas at Austin. While a professor there, he established a collaboration between the school's electrical engineering department and the astronomy department to update an antenna that could then be used for millimeter-wave astronomy, a field that Vanden Bout helped bring about from its infancy.

He and his colleagues used the University of Texas Millimeter Wave Telescope to demonstrate that interstellar gas clouds do indeed collapse to form stars and planetary systems.

Vanden Bout was at the helm of the NRAO from 1985 until last year, when he resigned as director to pursue his research interests. Under his leadership for seventeen years, the NRAO made several major advances.

The Very Large Array (VLA) telescope in New Mexico, dedicated in 1980, received funding for major upgrades during Vanden Bout's tenure. Today the

twenty-seven-antenna system is the most powerful, flexible, and widely used radio telescope in the world.

The Very Large Baseline Array (VBLA) telescope, a tenantenna system widely scattered across North America, was planned and built during Vanden Bout's administration. It is the largest astronomical instrument on Earth.

Dedicated in 2000 under Vanden Bout's direction, the Green Bank Telescope in West Virginia is the most sophisticated large single-dish radio telescope ever built. With a surface area of almost two acres, the instrument offers access to the entire sky.

In his current position as interim director of the Atacama Large Millimeter Array (ALMA), Vanden Bout is leading an international collaboration to build a sixty-four-antenna telescope in Chile, which will collect the millimeter wavelength "light" given off by cool objects like the gas and dust near stars and galaxies. When ALMA is completed (by 2012), it will be the largest and most capable imaging array of telescopes in the world.

With the emergence of new technology like ALMA, the radio astronomy field is constantly changing. Future study of star formation in early universe galaxies like this one is the intent of the ALMA project in Chile.

"As a direct result of Paul's efforts, scientists in the U.S. have a complete suite of superb research facilities that is more than adequate for the needs of radio astronomy in the first half of the twenty-first century and perhaps beyond," said Brown, deputy director of the NRAO.

Upon completing his term as interim director of the ALMA project this summer, Vanden Bout will be taking a "traveling research sabbatical" with his wife, Rachel (Eggebeen) '61. During this time, he hopes to discover more about this vast universe of ours.

"Some people have a hard time with science because of the deep desire for fixed answers," said Vanden Bout. "Many want to 'learn and know.' But science is really a way of thinking, of inquiry. We only think so at this time. Some don't want to live with that uncertainty.

"But for Christians, the most important answers are already known. We don't need pat answers to the mystery of the universe. We are free to be curious explorers of planets, stars, and galaxies far beyond our imagining."

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# CANDIDATES FOR DEGREES AND CERTIFICATES 2002-2003

#### HONORS GRADUATES

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

Erin C. Beekhuis Honors in Communication Arts & Sciences Sara M. Bennink Honors in Elementary Education Jennifer L. Bergman Honors in Religion Abigail K. Bormann Honors in Communication Disorders Angela J. Busscher Honors in Psychology Todd A. Buys Honors in Business Kathryn E. Cartledge Honors in Music Education Paul R. Christians Honors in History James Clark Cully Honors in Physics Joanna C. De Moor

Honors in Social Work

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Honors in Biology

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Honors in Biology

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guages, History, Music,

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BACHELOR OF ARTS OR BACHELOR OF SCIENCE

General Science: Science majors – Biology, Chemistry, Computer Science, Geography, Geology, Environmental Studies, Mathematics, Physics

Eric J. Bengtson Ryan M. Bierma Justin W. Bouw David P. Bytwerk James C. Cully Jennifer A. Curtis Jonathan Daining Emily E. Darany Jonathon A. Ditlev Robert W. Dyksen Michael J. Eldersveld Andrea A. Essenmacher Jill S. Friesema Joshua M. Gabrielse Kenia Garcia Carol R. Genzink Lisa E. Green Leah Greydanus Justin E. Grill

Kyle R. Hommes Kathleen M. Hughes Emily E. Joling Jonathan B. Karnes Jereny C. Kielstra Jared D. Knol Deborah L. Knott

Viviana L. Han

Jill K. Koster Benjamin T. Krygsheld Joseph M. Ku Todd T. Lavery Nicholas J. Marcus Benjamen R. Meyer Iagila Minso

Timothy J. Molenbeek

Charles C. Koole

Corinna G. Moon Benjamin J. Mouw Jonathan T. Niehof Andrea J. Pearson Adrian J. Penninga Eric G. Plantinga Joshua D. Post Renee M. Potgeter Rebecca C. Quemada Carolyn E. Rumph

Brian W. Scheeringa

Michael C. Scholten

Grant M. Schoonover Rebecca E. Scott Florence G. So Iamie L. Steffes Jason J. Stegink Christopher Ten Harmsel Eli I. Thomas Leigh K. Tickner Annelia L. Tinklenberg Iacob T. Vander Plas David W. Van Norstrand Eric D. Veenstra Molly R. Veldkamp Elizabeth A. Voigt Katie M. Wahl Lindsev A. Walters Teresa L. Whalen Sarah E. Wind

Erika L. Woldman

Nicole E. Zylman

Jessica R. Youngren

DACHELOD OF ARTS OF			
BACHELOR OF ARTS OR	Max E. Butterfield	Michael H. Fennema	Bradley D. Kirker
BACHELOR OF SCIENCE	Jeffrey T. Buttery	Jenni A. Fetters	A. Mark Koldenhoven
	Todd A. Buys	Pei-Lynn Foo	Nicholas J. Kolk
General Program: Social	Garrett J. Byma	Elizabeth C. Frens	Stephanie J. Kooima
Science majors – Business,	Rachel A. Cargill	Nathan R. Funk	Rachael L. Koops
Criminal Justice, Econom-	Tyler D. Castle	Hannah R. Gage	Jonathan E. Korringa
ics, Physical Education,	Nathan J. Chambers	Emily J. Geenen	Brian R. Koster
	Daniel R. Chandler	Rachel A. Geerlings	Andrew G. Kotman
Political Science,	Andrea M. Charbeneau	Chrislene George	Nathan J. Kraai
Psychology, Sociology	Florence S. Chung	Katherine E. Gibson	Colin W. Kraay
	Jennifer L. Chupp	Yuanita Gitamara	Ryan R. Kragt
Brian R. Aalbers	Daniel W. Clemo	Chad W. Goote	Scott D. Kravitz
Stephen T. Abbring	Jessica B. Clevering	John H. Grasmeyer	Laurie B. Kreuze
Michael J. Achterhof	Matthew K. Cooke	Matthew R. Haan	Paul A. Kubinski
Melissa N. Allison	Deana L. Crawford	Justin F. Hassani	Anne N. Kuiper
Jennifer N. Anslow	Thomas E. Cremer	Robin J. Heemstra	James M. Kuipers
Cinthia M. Arroyo	Mark D. Dahl	Patricia E. Heins	Jonathan M. La Fleur
Rebecca J. Austen	Rebekah A. Dahlem	Jeremy A. Heise	Margo E. Lawrence
Rachel A. Baber	Amanda M. Dam	Jen E. Heinz	Rae M. Lieb
Daniel A. Baez	Sarah J. Davis	Brian L. Helms	Peter Lindemulder, III
Megan E. Bagnall	Adam H. DeHoek	Nathan P. Herrema	Benjamin C. Lion
Robert L. Baker, III	Matthew S. De Hoek	Peter B. Heslinga	Jennifer J. Los
David J. Bartels	Nicole L. Deiters	Rebecca J. Hibma	Laura B. Luchies
Evan J. Beaugard	Daniel J. Dekker	Emily K. Hintz	Stephen S. Luchies
Julia A. Belanus	John D. DeKorne	Tricia M. Hodge	Mara K. McGuin
Kimberly S. Bergman	Krista L. DeMaagd	Lisa J. Hoekzema	Seth P. McLaughlin
April M. Berkenpas	Benjamin J. DeMots	Daniel S. Hollingsworth	Shawn M. McNeiece
Nathan A. Blore	Derek L. De Weerd	Shandra L. Hop	Christopher J. Medema
Adrienne B. Bockheim	Michael P. De Witt	Rebecca M. Horton	Jennifer A. Medema
Joanna Marie B. Boer	Eric W. De Young	Daniel J. Hubers	Michael T. Minnema
Lori D. Bos	Ryan A. Diepstra	Christina J. Huizenga	Ross D. Mulder
Joel R. Bosch	Nicholas S. Dykert	Krista R. Huizinga	Ji-Hyun Nam
Rebecca J. Bosma	Sara E. Dykstra	Jessica L. Huls	Robert A. Newman
Kara B. Bouws	Joseph S. Eelkema	Brandon L. Hunt	Daniel C. Nyhof
Rachel D. Brink	Susan R. Eerdmans	Kelly M. Hunt	Christopher D. O'Brien
Donald W. Brown	Jessica L. Einfeld	Jonathan K. Hutchful	Abimbola A. Obisesan
Karen E. Brown	David A. Ekkens	Justin N. Hutt	Julie F. Oppenhuizen
Abigail R. Bruss	James A. Eldersveld	Kimberly R. Huyser	Laura B. Oswald
Eric R. Buikema	Arie J. Eppinga	Betty J. Hysong	Matthew A. Park
Bradley J. Bulthuis	Alissa A. Erbland	Francis O. Ikwueme	Rebecca S. Parrott
Allison N. Bultman	Carin R. Erbland	Matthew J. Ippel	Scott J. Pell
Abigail J. Bush	Leticia Espinoza-Gutierrez	Rachel M. Kalinowski	Dean F. Pettinga
Angela J. Busscher	Erin K. Estes	Jordan B. Kamps	Justin C. Pfruender
Sarah L. Buter	Katherine J. Ettema	Karen E. Kang	Megan E. Piersma
Michael A. Buteyn	Christine L. Favazza	Katie L. Kett	Mark D. Raymo

Seth D. Renkema Debra F. Slopsema Jill A. Vander Bie Brett F. Verkaik Allison M. Vermeer Chad L. Reynolds Ioel P. Spevers Kristin G. VanderKam Kimberly A. Rhoads Brad C. Stolman Pieter D. Vander Laan Justin P. Visser Rebecca L. Rietema Andrew J. Storteboom Ryan B. Vander Naald Timothy C. Voss Timothy F. Roberts Lisa M. Stoub Ion D. Vander Plas Daniel J. Vriesema Nicole J. Robertson David M. Swierenga Joshua P. Vander Wiele Mark W. Wells Christopher D. Roelofs Jonathan H. Tamminga David A. VanderWoude Anthony D. Westhouse Calvin P. Roskam Rachel E. TenHaaf Reshae K. Vanderzwan Rebecca I. Wickline David N. Rung Richard A. Thomas Angelique R. VanDyke David J. Wieringa Nathan R. Russell Jeremy J. Thompson Matthew L. Van Dyken Jason R. Wigboldy Kimberly A. Schaver Angela L. Thullen Iames A. Van Hekken Melissa S. Wilcox Timothy A. Scholten Steven C. Tigchelaar Melinda A. Van Kirk Ellen A. Winohradsky Dustin R. Senneker Sarah M. Tinholt Ryan D. Van Puffelen Matthew J. Wojczynski Kimberly J. Zeilstra Michael E. Sherman Luther M. Trook Anthony L. VanTimmeren Cristin P. Siska Heather J. Van Vugt Thomas V. Zeilstra Paul A. Trowbridge Sally A. Skodinski Laura J. Tucker Joshua J. Veeneman John W. Zigterman Drew Slager Mardy Van Jeremy S. Veenstra Robyn A. Zylstra Kristin J. Veenstra Emerald M. Slagh Daniel M. VanderBaan

#### BACHELOR OF ARTS OR BACHELOR OF SCIENCE

**Education Program: Elementary Education** 

Paul D Adams Kimberly S. Dykstra Leslie A. Arnson Erika K. Arviko Tricia J. Feyen Elisha J. Bednarz Amber L. Gort Sara M. Bennink Amy S. Berends Sara B. Birdsall Kristin I. Blamer Maria L. Hoekstra

Robert I. Boersma Deborah E. Hoffman Audra B. Bol Christopher T. Huizinga Sarah K. Bos Janelle E. Hurst Michelle L. Boyd Abigail A. Johnson Sara F Kammeraad Lynnae C. Brink

Nancy A. Buist Susan E. Coates Iulie B. De Vries Gavle K. Dingler Amv K. Dvkhouse

Laura E. Dykhouse

Brianne D. Ensing Rebecca L. Haagsma Kimberly J. Hendricks Laura I. Hoekstra

Scott I. Kerkstra Kelly M. Koedyker Kara M. Koziarz

Karen L. Kredit

Valerie L. Kuster

Shanda J. Landman Lena M. Lawe Kristvn E. Lvnch Trisha A. Mclellan Sara M. Nieuwkoop

Daniel W. Noteboom

Timothy C. Paauw Holly J. Petkewicz Kate J. Poortenga

Jennifer D. Ophoff

Camilla R. Pott Susan M. Potter Amanda D. Quick Kristine J. Ray

Iodie L. Reidsma Marcie A. Shields Jill A. Sloothaak Emily Talen Benjamin R. Talsma Kathrvn M. Van Beek Amanda J. VanDenBosch Ienny L. Vander Boon Iennifer A. VanDerHeide Tina M. Vander Molen

Stacv L. Van Randwyk Tamela L. Vermeulen Eric W. Vogelzang Becky A. Warp Sarah K. Whitney Ann M. Wisotzke Natalie A. Wright Crystal M. Zuidema

Education Program:	Erin B. Dykstra	Nathan M. Kok	Rebecca J. Smith
Secondary Education	Robert J. Erskine	Erin L. Kuperus	Erin B. Sytsma
	Melanie L. Flick	Candace M. Lutke	Ari J. Tenyenhuis
David W. Aupperlee	Lynnelle A. Funk	Marilee F. Marsman	Jeannette R. Tenyenhuis
Robert E. Bakker	Christopher J.	Anna M. McBride	Joel P. Tlachac
William J. Bassow, Jr.	Gackenheimer	Lindsay M. McHolme	Anne M. Vander Laan
Jonathan T. Beutlich	Tiffany M. Gerig	Joel A. Nagelkirk	Rachel L. VanderLugt
Kelly M. Blumline	Steven G. Hall	Katie J. Nagelkirk	Elizabeth A. Vande Vrede
Justin M. Bolt	Joanne E. Haven	Laura C. Park	Christopher G. VanDyken
Lori A. Bolt	Jessica L. Head	Junee R. Platero	Keith A. Van Goor
Thomas M. Bratt	Adam M. Heath	Nicholas G. Ploegstra	Renae L. VanGroningen
Leah A. Bruskewitz	Lindsay J. Herwerden	Lisa B. Ponstine	Amanda S. Van Proyen
Elizabeth A. Byl	Marcel Hoff	Cheryl L. Potter	Amy R. Van Stensel
Kathryn E. Cartledge	Deborah M. Hook	Elise E. Preston	Julie R. Vermerris
Bethany C. DeRidder	Richard K. Hook	Thomas A. Retsema	Jodi N. Vermeulen
Erin M. De Young	Robert J. Hooker	Scott E. Ritsema	Jane K. Visser
Andrew W. Drake	Rick H. Huizinga	Lissa M. Sainz	Gregory A. Wojczynski
Diane M. Duda	Jessica D. Jackson	Joel H. Schreuder	Michelle L. Zeerip
Tricia J. Dyk	Ryan D. Jackson	Melissa M. Schuiteman	Jeremy R. Zuidema
Benjamin J. Dykhouse	Brian P. Karsten	Allison M. Shively	,
Education Program:	Emily J. Alsum	Emily L. Mejeur	Christina M. Thiesen

BACHELOR OF SCIENCE

IN ACCOUNTANCY

Special Education

Lisa K. Aardema Kevin J. Beimers

Steven J. Bishop

Aaron M. Bouw

Emily B. Beard

Sonia M. Cole

Janelle R. Boomsma

Cassandra L. Carlisle

Kelly A. Groenewal

Sarah L. Brouwer

Justin D. Gritter Kate E. Harms Scott J. Koning Eric S. Kroonenberg

Heather N. Paulson

Sarah E. Rottman

Jennifer N. Siegrist

Andrea S. Smeenk Hofing

Holly J. Roth

Jennifer L. Plakmeyer

Eric S. Scholma Jonathan N. Sluis

Cory P. Surdam

Jonathan A. Sytsma

Matthew C. Uekert

Ruthanne Verwys

Megan L. Visser

Nora B. Will

Leah B. Vander Ploeg

Daniel J. Buist Min K. Lee Jill A. TerMolen
Mickey A. Carolan Justin R. Lemmen Nicholas J. Van Berkel
Karl A. Eerdmans Jeremy J. Louters Lisa M. VandenAkker
Daniel D. Einfeld Sarah E. Pfister John W. Vander Ploeg
Paul M. Feyen Amber J. Post

BACHELOR OF SCIENCE IN COMMUNICATION DISORDERS	Katrina K. Bialik Abigail K. Bormann Kristi E. Bowden Courtney A. DeRuiter Melissa R. Gritter	Lisa A. Haaksma Sarah J. Lawrence Dorothy C. Lee Elizabeth R. Mudde	Matthew R. Nesbitt Emily C. Piekarczyk Alyssa R. Scott Andrea M. Stith
BACHELOR OF COMPUTER SCIENCE	MacKenzie D. Cumings Kevin J. DeGraaf Allison I. Gliesman	Matthew R. Hanchett Brian R. Johnson Anthony Karsten	Wesley S. Morgan Christopher B. Wieringa Jonathan A. Zylstra
BACHELOR OF SCIENCE IN ENGINEERING  Jeremy C. Andrus Adam R. Bonner Susan E. Bosma Joel R. Buurma Tamani L. Cervantes David W. De Groot Darren L. De Ronde Amanda I. De Vries David P. DeVries Curtis R. Diller Matthew M. Dykhouse Arthur P. Dykhuis Nathan A. Eastway	Mark T. Gordon Samuel N. Gustafson Ross W. Haveman Jeremy J. Heersink Justin D. Jansen Brian D. Jewell Ryan D. Johnson Suzanne R. Jung Kevin S. Katerberg Eric J. Klompmaker Peter J. Klooster Joe J. Klynstra Leslie P. Kuipers Neil W. Kuyvenhoven Tor I. Larsen	Joshua A. Lutter Joshua P. Manion Keith F. McClymonds Daniel J. Meyering Robert J. Nelesen Samson N. Okoh Steven E. Oosting Carl J. Otte Jamie L. Overweg Adam T. Peterson Elizabeth A. Pyle Laina M. Rowe Jeffrey D. Rozema Paul A. Ryckbost Sumanth K. Sampath	Philip P. Schonewill Stephen J. Schuh Joshua J. Slattery David R. Smit Aaron J. Snyder Benjamin J. Souza Gabriel N. Tannor Brian D. Timmer Jeffrey S. Triezenberg Joseph D. VanDerPuy Dirk T. Van Essendelft Joshua W. VanSchepen Lisa K. Velzen Nathan A. Ver Heul Matthew J. Wiersma
BACHELOR OF FINE ARTS	Daniel J. Cooper Diane D. DeKorte	Ryan S. Thompson Marguerite S. White	
BACHELOR OF SCIENCE IN NURSING  Sara M. Baas Elizabeth M. Balow Sarah J. Bilthouse Cynthia M. Biswas William J. Bogertman Jill L. Bolkema Melissa J. Bos Jessica K. Bosma Elizabeth A. Bosscher	April L. Brewster Julie A. Bush Katharine E. Davis Lisa M. DeRoo Alida M. Eenigenburg Wendy A. Freeland Rachael A. Gjeltema Marissa R. Glewen Maggie Helmers Emily S. Holtvluwer Kristen L. Hoogstra Kara M. Kerkstra	Lori A. Kooyenga Elizabeth G. Kreulen Elise S. Lappinga Melissa J. Mahloy Elizabeth K. Martin Kerri A. McLaren Kathleen S. Miller Tiffany J. Miller Beth S. Nienhuis Katie B. Nydam Sarah E. Peterson Nicole R. Robertson	Allison B. Roedema Karen J. Roudabush Holly M. Schellenberg Arevig M. Setian Jennifer A. Succop Renee E. Thatcher Krista J. Tigchelaar Jill M. VanderVeen Sandra A. VanLeeuwen Kelly P. VerMerris Nancy J. Veurink Emily D. Wissink

BACHELOR OF SCIENCE IN RECREATION	Carolyn R. Beach Lydia J. Boonstra Anoli J. Bragdon Katherine T. Crawford	Sarah L. Hoogeboom Elizabeth L. Kolk Kristin J. Kuiphof Julie M. Smith	Lindy J. Van Haitsma Susan R. Walters Megan M. Zeinstra
BACHELOR OF SOCIAL WORK	Saioa M. Aranceta Roslynn K. Azzam Elizabeth J. Berry Stephanie M. Brock Julia M. Carlson Johanna E. Dean Aubrey L. DeBoer Joanna C. De Moor Mary-Jane De Vries Nicole A. Dykstra Julie B. Dyson Amy J. Ennenga	Jeanette M. Feddes Erin J. Fuller Jane K. Heerema Daniel P. Hekman Katy L. Karsten Betsy A. Klaasen Lindsay R. Medema Patricia H. Puskar Melissa E. Roelofs Jennifer R. Roskamp Cindy Santos Rachel M. Sneller	Jennifer L. Stevens Sonia A. Sundberg Sarah E. Ten Broek Anna E. Ter Beek Hilary J. Thege Jennifer M. Ubels Theresa A. van der Jagt Sara M. Van Grouw Sarah L. VanSchepen Kate E. Van Sprange Hope R. Wolthuis

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

Abigail K. Bormann	Fellowship (Speech Pathology), Purdue; Scholarship, Boston University; Assistantship, Bowling Green State University
Micah J. Bruzvoort	Essenbaggers Scholarship, Calvin Theological Seminary
Kevin C. Carley	Scholarship (History), Marquette University
James C. Cully	Fellowship (Physics), University of Michigan
Adam H. de Hoek	Research Assistantship (Psychology), Loyola University, Wayne State University
Emily J. Geenen	Teaching Assistantship (Psychology), Wayne State University
Luke C. Gelinas	Yale University Divinity School Scholarship
Yuanita Gitamara	The Ed & Betty Hoogstra Scholarship, Calvin Theological Seminary
Melissa R. Gritter	Fellowship (Speech Pathology), Central Michigan University, Eastern Michigan University: Assistantship, Bowling Green State University, Western Michigan University

Assistantship (Computer Science), Purdue University

Kuyers Family Scholarship, Calvin Theological Seminary

Scholarship (Music Therapy), Colorado State University

University Fellowship (Education), University of Michigan

Assistantship (Speech Pathology), James Madison University

Teaching Assistantship (Chemical Engineering), University of Notre Dame

Fellowship, Garrett Evangelical Theological Seminary

Kunnen Scholarship, Calvin Theological Seminary

Scholarship (Medicine), Loyola University

Dean's Fellowship (Psychology), University of California-Riverside

Assistantship (Speech Pathology), Case Western, Syracuse University, Temple University

Allison B. Hoogheem

Brian R. Johnson

Benjamin R. Knott

Elizabeth C. Linder

Sarah Davis Plantinga

Rebecca C. Quemada

Laura B. Luchies

Mark D. Raymo

Daniel J. Roels

Adriana M. Ribeiro

Philip P. Schonewill

	6
Benjamin J. Souza	Trustee Scholarship & Research Assistantship (Structural Engineering), University of Maine
Jennifer L. Stevens	Teaching Assistantship, Scholarship (Social Work), McMaster University
Bobbi S. Sutherland	Teaching Assistantship (Comparative Literature), Indiana University; Medieval Studies Fellowship, University of Illinois; University Fellowship, Yale; Sage Fellowship, Cornell

Teaching Assistantship (Physics), University of Maryland

Lee W. Sytsma Soli Deo Gloria Scholarship, Calvin Theological Seminary

Susan A. Sytsma Princeton Seminary Grant, Princeton Theological Seminary; Graham Scholar, Gordon

Conwell Seminary

Michael C. Scholten

Dirk T. VanEssendelft University Fellowship (Chemical Engineering), University of California, Irvine

Kristin J. VanHeukelem University Fellowship (Linguistics), Northwestern University; Foreign Language and Areas Studies Fellowship, University of Illinois-Champaign

Lindsey A. Walters Distinguished Fellowship (Zoology), Michigan State University

Jessica E. Weinhold Norma Tate Rich Scholarship, Louisville Presbyterian Theological Seminary

# GRADUATES WHO RECEIVED CALVIN-AWARDED SCHOLARSHIPS FOR 2002-2003

#### Calvin National Merit Scholars

Donald W. Brown MacKenzie D. Cumings Kevin I. DeGraaf Michael P. De Witt Benjamin P. Frederiksen Stacia E. Frens James M. Kuipers Todd T. Lavery Wesley S. Morgan Rebecca C. Quemada Laina M. Rowe Kimberly M. Schuette Julia S. Steele Benjamin R. Talsma Jennifer M. Ubels Abram C. Van Engen Kristin J. VanHeukelem Lindsey A. Walters

#### Presidential Scholarship

Roslynn K. Azzam Sara M. Baas Iennifer L. Bergman Kelly M. Blumline Lvdía I. Boonstra Abigail K. Bormann Aaron M. Bouw Justin W. Bouw Michelle L. Boyd Lynnae C. Brink Bradley J. Bulthuis Todd A. Buys Kathryn E. Cartledge James C. Cully Jennifer A. Curtis Molly F. Delcamp Erin M. De Young Matthew E. deZoete Gayle K. Dingler David Ellens Melanie L. Flick Emily J. Geenen Kristy R. Gesink Rebecca L. Haagsma Matthew R. Hanchett Jessica A. Huisjen Brian D. Iewell

Brian R. Johnson Rvan D. Johnson Rachel N. Klompmaker Deborah L. Knott Nicholas J. Kolk Sarah I. Lawrence Laura B. Luchies Candace M. Lutke Michael B. Mellema Erin M. Miller Stephanne M. Moorehead Daniel W. Noteboom Christopher D. O'Brien Laura R. Patten Lisa B. Ponstine Elizabeth A. Pyle Mark D. Raymo Kimberly A. Rhoads Daniel J. Roels Michael C. Scholten Allison M. Shively Courteney P. Smith Anna E. Ter Beek Eli I. Thomas Shirley C. Tom Kathryn M. Van Beek Nathaniel E. Van Denend Ienny L. Vander Boon Jacob T. Vander Plas David W. Van Norstrand Amanda S. Van Proyen Stacy L. Van Randwyk Elizabeth A. Voigt Michelle L. Zeerip Kelly A. Ziegler

#### Board of Trustees Presidential Scholarship

Gretchen C. Blech Angela J. Busscher Neal B. DeRoo Erin K. Estes Joshua M. Gabrielse Anneke Spee

#### Henrietta Bontekoe Nursing Presidential Scholarship

Lisa M. DeRoo Marissa R. Glewen

#### Roger W. Heyns Presidential Scholarship

Adam H. DeHoek Beth N. Gunnink Kristen M. Ippel Jonathan B. Mensink

#### William R. Kenan, Jr. Presidential Scholarship

Kathryn J. Acheson Laura B. Oswald Jonathan A. Zylstra

#### James E. Smith Presidential Scholarship

Samuel N. Gustafson Benjamin Spalink

#### Kunnen Family Presidential Scholarship

Sara M. Bennink

#### Calvin Mosaic Award

Evan R. Hamstra Amanda E. Hughes Joshua D. Post Lissa M. Sainz Rachel E. TenHaaf Mardy Van

#### Milton and Carol Kuyers Family Mosaic Award

Kenia Garcia Kimberly R. Huyser Jessica E. Jones Jaime L. Teixeira

### Dean's Scholarship

Rebecca J. Austen Erin C. Beekhuis Lori A. Bolt Adam R. Bonner Jesse M. Bradley Karen E. Brown Nancy A. Buist Max E. Butterfield Claire M. Campana Sarah J. Davis Benjamin J. DeMots Amanda I. De Vries Curtis R. Diller Michael H. Fennema Jenni A. Fetters Lvnnelle A. Funk Mark T. Gordon Justin D. Gritter Melissa R. Gritter Kevin S. Katerberg Peter J. Klooster Stephanie I. Kooima Charles C. Koole Erin L. Kuperus Derek P. Lew Meagan R. Luhrs Lindsay R. Medema Laura C. Park Megan E. Piersma Amber J. Post Leslie Y Pratt Thomas A. Retsema Elizabeth A. Schlaupitz Jennifer L. Scott Rebecca E. Scott Karen E. Statler Iennifer L. Stevens Lisa M. VandenAkker Amanda J. VanDenBosch Rachel L. VanderLugt Dirk T. Van Essendelft Renae L. VanGroningen Lisa K. Velzen Justin P. Visser Katie M. Wahl Natalie A. Wright

## **Board of Trustees Dean's Scholarship**

Micah D. Bannister Abigail R. Bruss Joanna C. De Moor Bethany C. DeRidder Jessica L. Head Benjamin R. Katt Katie J. Nagelkirk

#### Henrietta Bontekoe Nursing Dean's Scholarship

Allison B. Roedema

#### Jacobsen Family Dean's Scholarship

Tiffany M. Gerig

#### **Faculty Honors** Scholarship

Anne M. Anderson Jeremy C. Andrus Carolyn R. Beach Danielle M. Beckman Kimberly S. Bergman Katrina K. Bialik Jill L. Bolkema Justin M. Bolt Ianelle R. Boomsma Lori D. Bos Sarah K. Bos Kara B. Bouws April L. Brewster Kristyn E. Brouwer Sarah L. Brouwer Leah A. Bruskewitz Elizabeth Cooper Deana L. Crawford Rebekah A. Dahlem Ionathan Daining Amy S. De Jonge Darren L. De Ronde Eric W. De Young Hendrik I. deZoete Laura E. Dykhouse Matthew M. Dykhouse Arthur P. Dvkhuis Erin B. Dykstra Nicole A. Dykstra Robert I. Erskine Elizabeth C. Frens Kenia Garcia Rachel A. Geerlings Rebekah L. Gelinas Justin E. Grill Evan R. Hamstra Kate E. Harms Robin J. Heemstra Kimberly J. Hendricks Lindsay J. Herwerden Robert I. Hooker Brandon L. Hunt Kelly M. Hunt Matthew J. Ippel

Rachel M. Kalinowski

Melissa A. Keelev

Rachael L. Koops

Justin R. Lemmen

Benjamin C. Lion

Jeremy J. Louters

Stephen S. Luchies

Katie L. Kett

Ioe I. Klynstra

Susan I. Lvon Nicholas Í. Marcus Anna M. McBride Seth P. McLaughlin Emily L. Mejeur Thomas G. Miller Holly I. Petkewicz Sarah E. Pfister Seth D. Renkema Sarah E. Rottman Jeffrey D. Rozema Kimberly A. Schaver Brian W. Scheeringa Philip P. Schonewill Debra F. Slopsema Andrea M. Stith Erin B. Sytsma Susan A. Sytsma Jeannette Ř. Tenyenhuis Paul A. Trowbridge Laura J. Tucker David J. Tyson Elizabeth A. Vande Vrede Kristen M. Van Kuiken Amy R. Van Stensel Christopher L. Verkaik Iane K. Visser Elizabeth A. Waid

#### **Board of Trustees Faculty Honors Scholarship** Micah J. Bruxvoort

Katherine F. Gibson Lisa E. Green Catherine R. Guiles Kimberly R. Huyser Kevin I. Meieur Elizabeth R. Mudde

Marguerite S. White

Kimberly J. Zeilstra

Sarah E. Wind

Christopher B. Wieringa

### Henrietta Bontekoe Nursing **Faculty Honors Scholarship**

Sarah J. Bilthouse Beth S. Nienhuis

**Iohannes and Charlotte** Moss Plekker Memorial **Faculty Honors** 

Andrea A. Essenmacher

### **Honors Scholarship**

Emily J. Alsum Nicole L. Bartels

Kevin I. Beimers Ionathan T. Beutlich Sara B. Birdsall Adrienne B. Bockheim Chervl A. Bootsma Noah P. Borgondy Ioel R. Bosch Rebecca J. Bosma Daniel I. Buist Alisa A. Buma Rachel L. Busta Rebekah E. Calhoun Tvler D. Castle Rachel J. Coombs Daniel I. Cooper Daniel J. Dekker Diane D. DeKorte Iessica L. Einfeld Michael J. Eldersveld Alissa A. Erbland Nathan R. Funk Friedrich F. Heule Laura I. Hoekstra Ioshua D. Hoekwater Lisa I. Hoekzema Deborah E. Hoffman Rvan T. Hoke Kyle R. Hommes Justin N. Hutt Debra I. Iwema

Iared D. Knol Kelly M. Koedyker Nathan M. Kok Brian R. Koster Kara M. Koziarz Laurie B. Kreuze Valerie L. Kuster Min K. Lee Tiffany N. Leighton Ioshua A. Lutter Marilee F. Marsman Maria B. Mulder Daniel I. Nietering Sara M. Nieuwkoop Abimbola A. Obisesan Andrea I. Pearson Kate J. Poortenga Amanda D. Quick Kristine J. Ray Rebecca L. Rietema Brian S. Risselada Scott E. Ritsema

Abigail A. Johnson

Katie E. Klevn

Christopher D. Roelofs Melissa M. Schuiteman Michael E. Sherman Sally A. Skodinski Jill A. Sloothaak Ionathan N. Sluis Brad C. Stolman Andrew J. Storteboom Jaime L. Teixeira Angela L. Thullen Annelia L. Tinklenberg Iill A. Vander Bie Iennifer A. VanDerHeide Anne M. Vander Laan Ion D. Vander Plas John W. Vander Ploeg Angelique R. VanDyke Ryan D. Van Puffelen Eric D. Veenstra Brett F. Verkaik Anthony D. Westhouse Nicole É. Zylman

#### **Board of Trustees Honors Scholarship**

Elizabeth A. Bosscher Meghan K. Nash Robert I. Nelesen Elise E. Preston Rachel M. Sneller Jeremy R. Zuidema

#### Henrietta Bontekoe Nursing **Honors Scholarship** Kara M. Kerkstra

Tiffany J. Miller

#### Calvin Multicultural Award

Tamani L. Cervantes Emily E. Darany Terimarie R. Degree Chrislene George Emily K. Hintz Derek P. Lew Philip H. Mollenkof Iunee R. Platero Nicole I. Robertson Cindy Santos Iennifer L. Scott Florence G. So Benjamin Spalink Rebecca L. Stein Christopher Ten Harmsel Ruth E. Terry Shirley C. Tom

#### Transfer Student Scholarship

Jana B. Bosscher Jessica B. Clevering Susan E. Coates Elizabeth A. Dieleman Nicholas S. Dykert Tricia J. Feyen Betty I. Hysong Jessica E. Johnson Kathleen S. Miller Jagila Minso Chinelo S. Onwualu Susan M. Potter Patricia H. Puskar Nicole J. Robertson Nicole R. Robertson Carolyn E. Rumph Lissa M. Sainz Lee W. Sytsma Sarah E. Ten Broek Mardy Van Allison M. Vermeer Timothy C. Voss Teresa L. Whalen

#### International Student Scholarship

Cinthia M. Arroyo Jonathan K. Hutchful Dorothy C. Lee Samson N. Okoh Gabriel N. Tannor

#### Academic Achievement Award

Erika K. Arviko Nicole L. Bartels Lauren T. Befus Amy S. Berends Justin M. Bolt Lori A. Bolt Noah P. Borgondy Joel R. Bosch Kristi E. Bowden Abigail R. Bruss Micah J. Bruxvoort Daniel J. Buist Alisa A. Buma Julie A. Bush Florence S. Chung Jessica B. Clevering Daniel J. Cooper Jonathan Daining Courtney A. DeRuiter Eric W. De Young Hendrik J. deZoete Nicholas S. Dykert Laura E. Dykhouse Arthur P. Dvkhuis Jenni A. Fetters Tricia J. Feven Kenia Garcia Luke C. Gelinas Tiffany M. Gerig Katherine E. Gibson Yuanita Gitamara Lisa E. Green

Catherine R. Guiles Matthew R. Haan Daniel P. Hekman Lindsay J. Herwerden Friedrich F. Heule Rvan T. Hoke Sárah L. Hoogeboom Robert J. Hooker Ionathan K. Hutchful Amanda R. Hutchins Justin D. Jansen Iessica E. Johnson Jordan B. Kamps Brian P. Karsten Melissa A. Keelev Kara M. Kerkstra Peter J. Klooster Iared D. Knol Rachael C. Koeson Laurie B. Kreuze Darrell W. Lawson Dorothy C. Lee Min K. Lee Stephen S. Luchies Meagan R. Luhrs Kathleen S. Miller Thomas G. Miller Elizabeth R. Mudde Beth S. Nienhuis Sara M. Nieuwkoop Chinelo S. Onwualu Jamie L. Overweg Timothy C. Paauw Andrea I. Pearson Marc W. Pitts

Patricia H. Puskar Sarah E. Rottman Cindy Santos Kimberly A. Schaver Elizabeth A. Schepel Debra F. Slopsema Andrea S. Smeenk Hofing Rachel M. Sneller Jennifer L. Stevens Andrew I. Storteboom Sonia A. Sundberg Bobbi S. Sutherland Erin B. Sytsma Jonathan H. Tamminga Ieannette R. Tenvenhuis Angela L. Thullen Paul A. Trowbridge Laura J. Tucker Jennifer A. VanDerHeide Rachel L. VanderLugt Amber L. VanderMolen Ion D. Vander Plas Joel A. Vander Zee Reshae K. Vanderzwan Dirk T. Van Essendelft Heather J. Van Vugt Eric D. Veenstra Christopher L. Verkaik Tamela I., Vermeulen Elizabeth A. Waid Iennifer K. Weinhold Kevin S. Wolters Hope R. Wolthuis Stacv M. Zook Crystal M. Zuidema

# GRADUATES WHO RECEIVED NAMED SCHOLARSHIPS AND AWARDS

### Alticor Inc. Free Enterprise Scholarship

Kimberly J. Zeilstra

#### Alumni Association Interim Scholarship

Marissa R. Glewen Kara M. Kerkstra Maria B. Mulder Sara M. Nieuwkoop

#### Alumni Association Minority Scholarship

Leticia Espinoza-Gutierrez

#### Alumni Association Service Scholarship

Rebecca C. Quemada Sarah E. Rottman Erin B. Sytsma

#### Alumni Chapter Scholarship - SE WI

Leah A. Bruskewitz Jill S. Friesema Rebecca L. Stein Heather J. Van Vugt Ann M. Wisotzke

#### Barbara Gezon Baker Scholarship for Academic Excellence in Sociology and Social Work

Mark D. Raymo Jennifer L. Stevens Jennifer M. Ubels

#### Bank One, Michigan Scholarship

Samson N. Okoh

#### Clarence and Nelly Battjes Memorial Scholarship

Justin D. Gritter

### Stephen P. Beals Family Scholarship

Angela J. Busscher

#### Clarence and Anne Beets Scholarship

Patricia H. Puskar

#### Bere' Memorial Scholarship Mardy Van

#### Leah Berends Nursing Scholarship

Marissa R. Glewen

Beversluis Award in Christian Philosophy of Education Elizabeth A. Vander Vrede	Lawrence D. Bos, Sr. Family Scholarship Sarah E. Pfister	Calvin Minority Scholarship Tamani L. Cervantes	Jennie and Gerrit De Haan Memorial Scholarship Jonathan K. Hutchful
Susan J. Reedyk  Berkowitz Scholarship for Students with Disabilities Adam R. Rutan  Board of Trustees Knollcrest Scholarship Cassandra L. Carlisle Tricia M. Hodge	J. Russel Bouws/Russ' Restaurant Scholarship Peter J. Klooster  Bouwsma Memorial Scholarship Neal B. DeRoo Michael B. Mellema  Connie Bratt Social Work	Florence S. Chung Cindy Santos  Llewellyn L. Cayvan String Instrument Scholarship Reshae K. Vanderzwan  James and Judith Chambery Scholarship Todd A. Buys Justin E. Grill  Christian Missionary Foundation Scholarship Marissa R. Glewen	DeKryger-Monsman Memorial Prize Donald W. Brown
			Melissa A. Keeley  Frank and Bernice Deppe Family Scholarship Rachel A. Baber Brett E. Verkaik
Danielle E. Jones Leslie P. Kuipers Neil W. Kuyvenhoven Melissa J. Vander Kamp	Scholarship Joanna C. De Moor Anna E. Ter Beek		Kevin Dale De Rose Memorial Scholarship Renae L. VanGroningen
Ruthanne Verwys Emily D. Wissink  Donald and Marie Boersma Family Scholarship	Bratt Medical Scholarship Hendrik J. deZoete Janice Broekhuizen Music Scholarship  Philip H. Mollenkof Ji-Hyun Nam Samson N. Okoh Joshua D. Post Benjamin Spalink	Philip H. Mollenkof Ji-Hyun Nam Samson N. Okoh	De Rose Family Scholarship for Women in Ministry Jennifer K. Weinhold
Roslynn K. Azzam		Benjamin Spalink	<b>DeVos Business Scholarship</b> Michael H. Fennema
<b>Edgar G. Boeve' Art Scholarship</b> Meagan R. Luhrs	Erin M. De Young  Henry Bruinsma Family Scholarship	Coca Cola Company Calvin Scholarship Cheryl A. Bootsma	Frank and Esther DeVos Family Scholarship Iamie L. Steffes
Ervina Boeve' Scholarship for Theater Arts Ryan T. Hoke	Erin M. De Young  Ronald Buikema Memorial Scholarship	Comerica Bank Minority Scholarship Kate E. Harms	Lloyd H. De Vries Scholarship Timothy C. Voss
John A. Bolt Memorial Scholarship Erin B. Sytsma  Bolt Family Scholarship Jennifer L. Bergman  Henrietta Bontekoe Nursing Scholarship Alida M. Eenigenburg Sarah F. Peterson  Kate	Sarah J. Davis  Margaret and Douglas Bush Family Business Scholarship Lisa M. VandenAkker  Gordon and Rose Buter	Sarah E. Pfister  Elsa Cortina Outstanding Senior Award Benjamin P. Frederiksen  DaimlerChrysler Minority Scholarship	Phyllis Van Dam De Vries Scholarship Megan E. Bagnall
			DeVries-Post Teacher Education Scholarship Junee R. Platero
	Business Administration Scholarship Kate E. Harms Nicole J. Robertson	Shanda J. Landman  John Daling Memorial  Scholarship  Emily J. Geenen	De Vries-Visser Scholarship Elizabeth A. Schepel
Paul H. Boonstra Memorial Award in Mathematics Education	Kate Bytwerk Scholarship for Study Abroad Jaime L. Teixeira	John DeBie Prize History Department Elizabeth A. Vande Vrede	DeVries Church Music Scholarship Rachel N. Klompmaker
Rachel L. Vander Lugt  Robert and Marjorie Boot Scholarship	CCA Computing Award Matthew J. Post Calvin Media Scholarship	Otto J. DeBruyn Family Scholarship Rebecca J. Austen	Brian L. DeWall Memorial Scholarship Curtis R. Diller
Amy K. Dykhouse  Kate Borgman Nursing Scholarship	Mariano I. Avila Kevin S. Wolters	De Groot Family Scholarship Rebecca C. Quemada	Kathryn De Weerd Memorial Scholarship Jill S. Friesema
Sarah E. Peterson		Mardy Van	Henry and Eunice DeWit Scholarship Reshae K. Vanderzwan

Dr. Paul and Mrs. Doris Dirkse Health Care Scholarship Wendy A. Freeland	Outstanding Senior Award in Chemistry Erin Sytsma	<b>Harmon D. Hook Memorial</b> <b>Award</b> Kristy R. Gesink	Dr. Harry Kok Memorial Scholarship Lindsay J. Herwerden Rachel M. Sneller
Melissa R. Gritter  Thedford P. and Ruth I.	Outstanding Senior Award in Geology, Geography, and Environmental Studies	Jim and Marylou Hooyenga Fund Cinthia M. Arroyo	Kenneth J. Konyndyk, Jr. Scholarship
<b>Dirkse Scholarship</b> Beth S. Nienhuis	Ryan M. Bierma Annelia L. Tinklenberg	Marge Houskamp Organ Scholarship	Erin K. Estes  Bret and Marlene Kort
Arnold and Mary Dood Medical Services	Harold and Gladys Geerdes String Scholarship	Anneke Spee  David and Shirley Hubers	<b>Award in Medicine</b> Erinn M. Boot
Scholarship Kara M. Kerkstra	Kimberly M. Schuette  General Motors Hispanic	Scholarship Erin B. Sytsma	Leonard M. Krull Scholarship
<b>Dow Chemical Company Foundation Scholarship</b> Adam R. Bonner	Scholarship Tamani L. Cervantes	Howard Hughes Medical Institute Scholarship	Anneke L. Huisman  John A. Kuiper Family
Andrea J. Pearson  Rev. Donald J. Drost	Allene Huizenga Goguen Music Education Scholarship Erin M. De Young	David W. Van Norstrand Elizabeth A. Voigt Lindsey A. Walters	<b>Scholarship</b> Valerie L. Kuster Emily L. Mejeur
<b>Memorial Scholarship</b> Jennifer A. Curtis	Melanie L. Flick  Beulah B. Goodenough	Dr. and Mrs. Lee S. Huizenga Memorial	Kenneth and Lillian Kuiper Scholarship
Bryan Dykstra Nursing Scholarship	<b>Memorial Scholarship</b> Sara M. Bennink	Scholarship Stephen S. Luchies	Lori A. Bolt  Kuipers Family Scholarship
Maggie Helmers William B. Eerdmans Literary Award	Gordon Food Service Special Opportunity Scholarship	International Opportunities Scholarship	for the Calvin College Band Daniel J. Dekker
Abram C. Van Engen	Min K. Lee	Laina M. Rowe  Ken and Joyce Jipping	John and Marge Kuyers Family Scholarship
Elenbaas Family Engineering Scholarship Justin D. Jansen	Mae Groeneveld Scholarship Sara M. Nieuwkoop	Family Scholarship Renee M. Potgeter	Justin P. Visser  Milton and Carol Kuyers
Elmhurst Christian Reformed Church Scholarship	Hamstra Foundation Scholarship	Wilhemina Kalsbeek Memorial Scholarship Hong Yan	<b>Family Nursing Scholarship</b> Arevig M. Setian Renee E. Thatcher
Emily J. Geenen  Emerson Minority Scholarship	Mark P. Bogertman Garrett J. Byma George G. Harper	Martin and Frances Karsten Biology Scholarship	Latin Award for Outstanding Achievement
Daniel A. Baez	Scholarship Jaime L. Teixeira	Lissa M. Sainz Katie M. Wahl	Bobbi S. Sutherland  MCF Staff Scholarship
J. Herman and N. Lucile Fles Scholarship Katie L. Kett	Heritage Class Scholarship Tina L. Cyr	Kent Medical Foundation Grant Jennifer A. Curtis Gerald L. Klein Memorial	Roslynn K. Azzam  Robert S. and Nancy M.  MacPherson Scholarship
Seth D. Renkema Ford Motor Company	Dr. Peter D. Hoekstra Memorial Award		Gabriel N. Tannor Eli J. Thomas
<b>Diversity Scholarship</b> Jonathan K. Hutchful	Bobbi S. Sutherland  Dr. Roger A. and Bradley J.	<b>Scholarship</b> Lindsay J. Herwerden	McGregor/Miller Scholarship Luke C. Gelinas
Outstanding Senior Award in Biochemistry	Hoekstra Toward Chiristian Excellence in Medicine	Leanne Joy Knot Memorial Scholarship	Amber L. VanderMolen Crystal M. Zuidema
Andrea J. Pearson Teresa L. Whalen	Rebecca C. Quemada	Patricia H. Puskar	

Mentoring Scholarship Joanna C. De Moor Pei-Lynn Foo Luke C. Gelinas Rebekah L. Gelinas	Peace and Justice Scholarship Rachel J. Coombs Rachael C. Koeson	Angeline Nydam Spoelhof Memorial Scholarship Rebecca L. Haagsma Jessica L. Head Deborah E. Hoffman	Summer Ministries Grant Jana B. Bosscher Jennifer A. Curtis Kevin J. Mejeur Melissa E. Roelofs
Monika C. Hardjowasito Kimberly J. Hendricks Francis O. Ikwueme Dorothy C. Lee	Cornelius A. and Lettie G. Plantinga Scholarship Erin K. Estes Laura B. Luchies	Gordon J. Spykman Memorial Scholarship Laura B. Luchies Lisa B. Ponstine Standard Federal Bank Scholarship Chinelo S. Onwualu	Susan A. Sytsma Nancy J. Veurink Seymour Swets Voice
Min K. Lee Ji-Hyun Nam Beth S. Nienhuis Kimberly A. Schaver Kyle M. Smith	Burke E. Porter Machinery Company Scholarship Nienhuis ly A. Schaver Smith A. Sytsma A J. VanDenBosch I. Zook Cosheth Scholarship Will Burke E. Porter Machinery Company Scholarship Leslie P. Kuipers Sch Rainbow Foundation Scholarship Ste Scholarship Scholarship Todd A. Buys Ste Scholarship Todd A. Buys		Scholarship Kathryn E. Cartledge The Bernard J. TenBroek "Excellence in Biology in Research" Award
Susan A. Sytsma Amanda J. VanDenBosch Stacy M. Zook Mephibosheth Scholarship		Steelcase Foundation Scholarship Todd A. Buys Tricia J. Feyen	Todd T. Lavery  The Bernard J. TenBroek  "Excellence in Secondary Education" Award
Nora B. Will  Arnold Christopher		Sara M. Nieuwkoop Rebecca L. Rietema Sandra A. VanLeeuwen	Michelle L. Zeerip  Templeton Student Award
Minderhout Memorial Scholarship Loel A Vander Zee	Prize in Mathematics Rachel L. Vander Lugt	Dr. Barney Steen Scholarship for Physical Education	in Psychology Micah D. Bannister
Joel A. Vander Zee  Jay and Lois Mol Family Scholarship Amy K. Dykhouse  Arnold and Cynthia Morren Family Scholarship Rebecca L. Haagsma Marilee F. Marsman Renee E. Thatcher  Patti J. Morren Memorial Scholarship Heather N. Paulson	Pauline Roskam Memorial Scholarship Holly J. Petkewicz  ROTC Guarenteed Reserve Forces Duty Scholarship Joseph M. Ku  Bruce and Jeralyn Ryskamp Scholarship Kristine J. Ray  Schneider Education Scholarship Bethany C. DeRidder	Leah A. Bruskewitz Benjamin J. Dykhouse  Wilma Steketee-Bean Scholarship Stacy M. Zook  Edward C. and Hazel L. Stephenson Foundation Scholarship Trisha A. Mclellan Holly J. Petkewicz Tamara R. Pullen Arevig M. Setian Nancy J. Veurink	Richard R. and Kathleen J. Tiemersma Scholarship Laura R. Patten
			Tong Family Scholarship Li Tying Soh
			Jacob and Jennie Tuinstra Scholarship Sarah J. Davis
			United Parcel Service (UPS) Scholarship Joshua P. Vander Wiele
Norman and Anne Noordeloos Keyboard Scholarship	Schultze-Weemhof Family Christian Education Scholarship	Michelle L. Zeerip  Stonisch Foundation Scholarship	Vande Guchte Award in Communication Disorders Abigail K. Bormann
Kelly M. Blumline	Erin M. De Young	Peter Lindemulder, III	John and Doris Van Dellen Music Scholarship
Ann Janssen Noteboom Scholarship	Paul and Thelma Schutt Family Medical Scholarship	Charles Strikwerda Scholarship in Political Science Jenni A. Fetters	Molly F. Delcamp  Charles J. VanDenBerg
Lauren T. Befus Beth N. Gunnink	Marissa R. Glewen  Marion and Nella Snapper		Family Business Scholarship Rachael L. Koops
Amanda R. Hutchins  Kenneth and Katherine Olthoff Family Scholarship Emily J. Alsum	Family Scholarship Ruthanne Verwys	Earl Strikwerda Memorial Scholarship Matthew E. deZoete	Cornelia and Marvin Vanden Bosch Scholarship Rebecca L. Haagsma

Fred and Carol Vanden Bosch Scholarship

William and Anna Vanden

Karen D. Ibarra

Bosch Scholarship
Joanna C. De Moor

Li Tying Soh

VanderArk Distinguished Student Teacher Award Karen J. Abrams Sara M. Bennink

Jana M. Bellinik Erin B. Sytsma Jennifer A. VanDerHeide Amanda S. VanProyen Michelle L. Zeerip

Vander Ark Family Scholarship

Nancy A. Buist Kimberly J. Hendricks Brian P. Karsten Lisa B. Ponstine

Edward D. and Jennie VanderBrug Memorial

Scholarship

Kimberly R. Huyser

Vander Haagen Family Scholarship for 5th Year Education Students

Janelle E. Hurst Rachel N. Klompmaker Eunice Tong

John S. Vander Heide III Memorial Scholarship Stephen S. Luchies

Mark D. Ravmo

Joseph and Ralph Gelmer Vander Laan Memorial Scholarship

Melissa N. Allison Elizabeth A. Bosscher Anneke L. Huisman Andrea S. Smeenk Hofing Sammie Vander Laan Nursing Scholarship Kara M. Kerkstra

Herbert and Doris Vander Mey Scholarship Joel R. Bosch

Nicholas S. Dykert Katherine E. Gibson

Vanderploeg-Edgerly Scholarship Nicholas J. Kolk

Randall K. Vander Weele Memorial Scholarship Kimberly A. Schaver Debra F. Slopsema

Steve J. and Viola Van Der Weele Scholarship Noah P. Borgondy

Kristin J. VanHeukelem

Van Dragt-Vander Wal

Scholarship

Li Tying Soh

Judith Vroon VanderZee

Music Education Scholarship

Kathryn E. Cartledge

Janet D. Van Dyke

Education Scholarship
Tricia J. Feyen
Daniel W. Noteboom

Daniel W. Noteboom Amanda J. VanDenBosch William and Janice

(Roosma) Van Dyke Scholarship

Karen L. Kredit

William H. Van Dyke Memorial Scholarship Bradlev I. Bulthuis

John and Lillian Van Oosten Scholarship

James C. Cully Michael C. Scholten Michelle L. Zeerip Kenneth J. Van Spronsen Memorial Scholarship Jessica L. Einfeld

Min K. Lee Benjamin C. Lion Amber J. Post

Van Til Family Special Education Scholarship

Sarah L. Brouwer

George J. Van Wesep

Memorial Scholarship

Kathryn M. Van Beek
Bernard Vellenga, Jr.
Scholarship

L. Veltman Education

Vermeer Charitable

Daniel J. Buist

Lois R. (Post) and Nelson

**Scholarship**Susan E. Coates

**Foundation Scholarship** Meagan R. Luhrs

Victor VerMeulen Medical Scholarship

Elizabeth A. Bosscher Lisa M. DeRoo Emily S. Holtvluwer Sandra A. VanLeeuwen

Emily D. Wissink

Geraldine Vogelzang
Leadership Scholarship
Dorothy C. Lee

Shirley C. Tom

Wallace (Dutch) and Olive
Waalkes Memorial
Scholarship

Justin P. Visser

Rev. David Warden PreSeminary Scholarship

Mark D. Raymo

Samuel L. Westerman Foundation Scholarship Yuanita Gitamara

Johan and Wilma Westra Scholarship

Brandon L. Hunt

Dr. and Mrs. Enno and
Lucile Wolthuis Chemistry
Scholarship

Scholarship for Women in Business

Rachel A. Geerlings

Teresa L. Whalen

**Ruth Ann Worst Memorial Music Scholarship** Jeffrey L. Algera

Johanna Kempers Wyngaarden Scholarship Philip P. Oegema

John and Betty Zandee Organ Music Scholarship Joel A. Vander Zee

Steven M. Zifferblatt Memorial Scholarship Beth S. Nienhuis

Zondervan Greek Award Li Tying Soh Mary E. Vanden Bosch Zwaanstra Scholarship in

Social Work and Gerontology Katy L. Karsten

Paul J. and Eleanor I. Zwier Family Scholarship Rachel L. VanderLugt

Gerald and Adriana
Zylstra Piano Scholarship
Eunice Tong
David J. Tyson

#### DEPARTMENTALBANNERS

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 & 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



French Geology, Geography, & Environmental Studies



Germanic & Asian Languages & Literature



Health,
Physical
Education,
Recreation,
Dance,
& 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 and Asian Languages and Literature 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

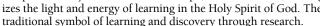


Library

**History Department** 

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

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.



Mathematics & Statistics

Music

#### 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 seventeenth-century Germany. J. E. Gallimard used this reverse *D* for division in eighteenth-century France.



Nursing



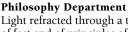
Philosophy

#### 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.



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.



Physics & Astronomy



Political Science

Religion



Psychology



Sociology & Social Work



#### **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 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 and Social Work

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

Rick E. DeVries and Darlene Meyering, co-chairs; Donna Anema, Ann Baker, **Commencement Committee:** 

Sharolvn Christians, Robert Crow, Rick Balfour, Jeff Stob, Mary Jeanne Quist, Diane Vander Pol

**Commencement Participants:** Johnathon Bascom, Claudia Beversluis, Debra Freeberg, Larry Louters,

Karen Saupe, Michael Stob, James Vanden Bosch, Christina Van Dyke FAC Master of Ceremonies: Henry E. De Vries II, Vice President for Administration, Finance, and Information Services

Henk Aay, Martin Bolt, Joy Bonnema, Randy Brouwer, Earl Fife, Tom Hoeksema, Greeters:

Wayne Joosse, Michelle Loyd-Paige, James MacKenzie, Arden Post, Raymond Slager, Franklin Speyers, Leroy Stegink, Peter Tigchelaar, Glen VanAndel, Yvonne VanEe,

Judy VanderWoude

Kristy R. Gesink, Dorothy C. Lee, Rebecca C. Quemada, Abram C. Van Engen

Litany: James Vanden Bosch, Associate Professor of English

**Faculty Marshals:** James R. Timmer, Ph.D., Peter Y. De Jong, Ph.D.

Eastern Floral

Calvin College Publishing Services Design:

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

Alumni and College Relations

Sculpture: Ronald O. Pederson

Student Marshals:

Flowers:

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, 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