

CALVIN  
College

2008  
COMMENCEMENT

*Saturday*  
*May Seventeen*  
*Two O'Clock*

## PRAISE TO THE LORD, THE ALMIGHTY

*Joachim Neander*

*Ernewerten Gesangbuch*

Praise to the Lord, the Almighty, the King of creation!  
O my soul, praise him, for he is your health and salvation!  
Come, all who hear; brothers and sisters, draw near,  
join me in glad adoration!

Praise to the Lord, who o'er all things is wondrously reigning,  
sheltering you under his wings, oh, so gently sustaining.  
Have you not seen all that is needful has been  
sent by his gracious ordaining?

Praise to the Lord, who will prosper your work and defend you;  
surely his goodness and mercy shall daily attend you.  
Ponder anew what the Almighty can do  
as with his love he befriends you.

Praise to the Lord! O let all that is in me adore him!  
All that has life and breath, come now with praises before him!  
Let the amen sound from his people again.  
Gladly forever adore him!

## 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:** *Moorside March* Gustav Holst, arranged by Gordon Jacob
- Processional:** *Pomp and Circumstance March No. 1* Edward Elgar  
Calvin College Band, Tiffany Engle, D.M.A., conductor
- \*Opening Hymn:** *Praise to the Lord, the Almighty*
- \*Invocation:** Bastian A. Knoppers, B.A., Chair, Calvin College Board of Trustees
- Introduction of  
Commencement Speaker:** Gaylen J. Byker, Ph.D., President
- Commencement Address:** “Free at Last”  
Philip Yancey, M.A.  
Author
- Presentation of Awards:** Jeffrey L. De Nooyer, B.A., President, Calvin Alumni Association,  
to David J. Dykgraaf, B.A., and Janice Entingh Dykgraaf, B.A., Class of 1966  
and to Fritz M. Rottman, Ph.D., Class of 1959, Distinguished Alumni
- Remarks on Behalf  
of the Senior Class:** Benjamin R. Graves, Student Senate President
- \*Litany for Commencement**
- Conferring of Degrees:** Claudia DeVries Beversluis, Ph.D., Provost, and Gaylen J. Byker, Ph.D., President
- Presentation of Diplomas**
- \*The Calvin Alma Mater**
- Closing Remarks**
- † **Recessional:** *Sine Nomine* Ralph Vaughan Williams, arranged by Alfred Reed William

The 19 yellow roses on the platform celebrate the passion, joy, and friendship that marked the life of Colby Edward Morath, 5/2/86 – 7/4/05.

\* Audience standing

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

## LITANY FOR COMMENCEMENT

**Liturgist:**

Blessed are you, Lord our God, Ruler of the universe.  
You are the Beginning and the End,  
Sovereign over all times and all things,  
Source and Sustainer of everything good.  
Just and true are all your ways.

**People:**

Blessed are you, Lord our God, Ruler of the universe,  
and blessed is your holy name forever!

**Liturgist:**

In Christ you are making all things new.  
You reach out to rebels and call us friends;  
you lavish your Spirit on the undeserving  
and make us stewards of your purposes.

**People:**

Blessed are you, Lord our God, Ruler of the universe,  
and blessed is your holy name forever!

**Liturgist:**

We celebrate your grace in those who graduate.  
For the vital habits of mind and heart  
that have brought them to this day,  
for intellect, imagination, and authentic piety,  
for disciplines faithfully acquired and skills fruitfully applied:

**People:**

For these and all your gifts to us,  
we thank you, gracious God.

**Liturgist:**

We celebrate your grace in this community of faith and learning.  
for diversity within shared purpose  
and for the complex rhythms of our life together,  
for knowledge shared and insights deepened,  
conversations joined, convictions tested,  
horizons widened, heritages rediscovered:

**People:**

For these and all your gifts to us,  
we thank you, gracious God.

**Liturgist:**

We celebrate your grace in all  
who go out from this place.  
For those whom we honor today  
as distinguished alumni,  
and for all those who invest  
what they have received  
to build, serve, teach, create,  
encourage, or renew,  
who honor you by healing hurts  
and repairing the broken places of  
our world:

**People:**

For these and all your gifts to us,  
we thank you, gracious God.

**Liturgist:**

You are faithful in all that you promise;  
keep us faithful in all that you entrust to us.

**People:**

As you multiplied loaves and fishes  
across a crowded hillside,  
so multiply our talents and desires  
across our span of years.  
May our learning blossom into wisdom,  
our knowledge of your world into  
passion for your will,  
our ambition for achievement into  
love of peace and justice.

**Liturgist:**

May your favor rest upon us, O God.

**People:**

Bless and establish the work of our hands.

**All:**

For all honor and glory and power are yours,  
now and forever.  
Amen

## COMMENCEMENT SPEAKER

### **Philip Yancey**

Philip Yancey earned Master of Arts degrees in Communications and English from Wheaton College Graduate School and the University of Chicago. He joined the staff of *Campus Life Magazine* in 1971, and worked there as Editor for eight years.

Since 1978 Philip Yancey has primarily concentrated on freelance writing. More than 600 of his articles have appeared in 80 different publications, including *Reader's Digest*, *Publisher's Weekly*, *National Wildlife*, *Saturday Evening Post*, *Christian Century* and *The Reformed Journal*. He writes articles and a monthly column for *Christianity Today* magazine, which he serves as Editor at Large. Also, he serves as Co-Chair of the Editorial Board for *Books and Culture*, a recent publication of *Christianity Today*.

His sixteen books include *Where Is God*

*When It Hurts*, *The Student Bible*, and *Disappointment with God*. These books have won eleven Gold Medallion Awards from the Evangelical Christian Publishers Association and have sold more than five million copies. (*Fearfully and Wonderfully Made*, *In His Image*, and *The Gift of Pain* were co-authored with Dr. Paul Brand.) Christian bookstore managers selected *The Jesus I Never Knew* as the 1996 Book of the Year, and *What's So Amazing About Grace?* won the same award in 1998. His most recent books are *The Bible Jesus Read*, *Reaching for the Invisible God*, *Soul Survivor*, *Rumors of Another World*, and *Prayer: Does it make any difference?*

The Yanceys lived in downtown Chicago for many years before moving to a very different environment in Colorado. They enjoy hiking, wildlife, and all the other delights of the Rocky Mountains.

## MESSAGE FROM THE FIFTY-YEAR REUNION CLASS

### Dear Calvin College Class of 2008:

What a great day for you—the Calvin College class of 2008. Today you end one journey and begin another. As members of the Calvin Class of 1958 we rejoice with you, thank God for you, and pray God's richest blessings for you.

Years ago a wise professor said "Where you go to college will affect the rest of your life." We, the Class of 1958, know now how true that is. We will always be thankful that it was Calvin that shaped our lives and prepared us for the years ahead. Back then we could never have imagined things like space travel, global warming, terrorists flying planes into skyscrapers, \$4.00 a gallon gasoline, or 42 cent postage stamps. We had never heard of Websites, e-mail, cell phones, or spam.

But God prepared us for what lay ahead through the well-grounded reformed scholars at Calvin College who gave us a biblically based world and life view. We knew where evil was rooted. We understood that a better world depended on One outside our world. We had absorbed Abraham Kuyper's dictum, "There is not a square inch in the whole domain of our human existence over which Christ, who is sovereign of all, does not cry 'Mine!'" We made the commitment to be salt and light in our fallen world. We faltered often, but God was with us. And, he will surely be with you too.

We are glad for the Christian education you have received at Calvin. You leave with a reformation-influenced vision, rooted in the Word of God. You leave to grapple with a furiously changing and increasingly secularized world. Your task—is to transform this world and to claim it for Christ. It belongs to him. We trust that you will make a difference, a difference that your education at Calvin has made possible.

Though many things will change in the next 50 years some things will not. Our faithful God is changeless. His Word will ever be true. In the years ahead there will be communities of faith, times and places for worship, kingdom enterprises, and the timeless gospel of our Lord Jesus Christ. And by God's grace there will be a Calvin College where your children can receive the same God-inspired vision and the same quality education that has shaped your lives.

Leave here today remembering that God has placed you in his world at this time for his purposes! Go out with his blessing. Go out and do your best for him. What you do for Christ will last.

Congratulations class of 2008; and may God go with you!

Alvin Vander Griend, for the class of 1958

## DISTINGUISHED ALUMNI

*The Calvin Alumni Association is proud to present two 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.*

### **David J. Dykgraaf, B.A., and Janice Entingh Dykgraaf, B.A., Class of 1966**

Dave and Jan Dykgraaf's life work can be summarized in a word: *Ushimashima*. It's a name that was given to Dave by the Tiv people, a large tribal group in the middle of Nigeria. The name means "one whose heart is like our heart."

The name is especially meaningful to the couple who have spent more than forty years as missionaries, striving to communicate the good news of God's love for all people in all places. "Immersion into language study won me acceptance into Tiv compounds and hearts," Dave said. "I learned a life lesson: People like you to be interested in them."

Long before the couple became missionaries, they were interested in people and other cultures. "My family subscribed to *National Geographic*, so I was exposed to many different cultures through pictures and articles," Jan said. "I was fascinated by the variety of differences in cultures and customs in God's world. I remember wondering what it would be like to live like the people in the magazines."

As a child, Dave took a keen interest in missionary visits to his home church, Comstock Christian Reformed Church in Kalamazoo, Michigan. As children, both Dave and Jan entered a contest for the Women's Missionary Union; Dave won first place for the boys and Jan won first for the girls. Their prizes—each received one of a matching set of carved ebony elephant mantelpieces—were reunited when they married eight years later.

Still, a lifelong career in mission work was far from either of their minds when they attended Calvin in the mid-1960s.

"I wasn't firm in my choice of any career," Dave said. "I bounced from pre-sem to psychology to education, and in all that exploration found the professors teaching about the lordship of Jesus Christ in all careers in life. So ending up as a teacher of English language, African history, health, and agriculture fits the picture."

The Dykgraafs' first missionary experience was a 2½-year term in Nigeria. "We thought we would go for a few years to see what it was like, never dreaming that God would keep us there for 40 years," Jan said. "In fact Rev. Henry Evenhouse [then the Christian Reformed Church's director of foreign missions] tried to impress on us the need to consider becoming career missionaries, but we agreed to just one term," added Dave.

One term soon turned into two decades in which the Dykgraafs learned the Tiv language, taught, and helped start a church-owned agricultural project.



“I didn’t do well in languages while at Calvin,” said Dave. “In fact, I dropped out of Latin, and that was the end of my attempt at pre-sem training; my scores in German weren’t impressive either. (When I became a missionary) motivation was the only difference. There were real people in Tivland that I wanted to know. Memorizing and correctly using all those noun classes was closer to delight rather than a bore.”

Their experiences among the Tiv people helped prepare the Dykgraafs for the second half of their career among the Avadi people in northwest Nigeria in Niger State. Here they have spent the most challenging and most rewarding time of their lives.

“The Avadi are a group of people that had never heard about God’s love,” Jan said. “They live in an area of few roads, schools, or medical facilities. They were the low people on the social totem pole and were the last to receive government advantages; their language was not yet written.”

The Dykgraafs came to the area in January 1988. They began, with others, to study the culture and religion, write the Avadi language, do evangelism and church planting, disciple new Christians, drill wells, bring medical treatments, build schools, and improve agricultural practices.

“The most important part of our mission here has been to speak and live God’s love to the Avadi and help the new Christians realize belonging to Christ envelopes the whole person in every aspect of his or her life,” said Jan. “Seeing men and women come out of the darkness of African traditional religion into the light of God’s love and peace has been the biggest blessing we could have ever received.”

Jan directed the development of Christian schools in the area. The first Avadi children to attend the mission schools will graduate from grade twelve this year. Jan is currently consultant to the present school supervisor. She also tutors local church leaders on how to be effective adult literacy teachers.

Dave has been involved in agriculture teaching and was team leader of the missionaries. Both Dave and Jan helped build churches, primary schools, a medical clinic, a guest house, and housing for employed teaching, medical, and evangelism staff. Currently, Dave teaches at the Bible school—one of four staff members—instructing in English language, history, church history, geography, health, agriculture, Bible translation principles, and comparative religions.

Throughout their time in Africa, the Dykgraafs raised two daughters, Annelies ’91 and Jayne Bahr ’92. Being separated from family all of these years has been one of the significant trials of their work—and one of the reasons they accept this award with gratitude.

“We are happy that mission work is being recognized as worthy of such an award,” said Jan. “We accept the award gladly in honor of our faithful Lord, Christian Reformed World Missions, our mission colleagues, our supporting churches, our prayer partners, our Nigerian Christian brothers and sisters, and our families from whom we have been separated for so long.”

Among the Avadi people, David received another name: *Habara Uri Magaji Debi*, “the old while man, David, who holds the religious title of

pray-er.” For that David is grateful to the Avadi: “Thank you, Avadi, for hearing me say, ‘Bring your issues, requests, desires to the Lord in your own language because He is the risen Lord who hears and answers your prayer.’”

### **Fritz M. Rottman, Ph.D., Class of 1959**

For Fritz Rottman ’59, being involved in unraveling the genetic code revealed an awesome and beautiful aspect of God’s creation. This discovery opened the door to further understanding the genetic blueprint of all living systems. Rottman focused his career on piecing together some of the steps whereby cells use information contained in DNA to build proteins.

As a student at Calvin in the late 1950s, Rottman was interested in chemistry and biology but knew he couldn’t pursue both. “During my senior year, I recall Professor Doc De Vries calling me into his office and asking what I planned to do after graduation. He said, ‘Have you considered biochemistry?’ At that time, biochemistry was a new field that I had never heard of. I remember asking, ‘What’s that?’”

Because it was a blend of both areas of interest, Rottman pursued graduate work at the University of Michigan in biochemistry. Toward the end of his graduate work, he became interested in the research of Marshall Nirenberg, who had just reported on a possible approach for unraveling the genetic code.

“Providentially, my thesis adviser knew Dr. Nirenberg, and that’s how I ended up at the National Institutes of Health, doing a three-year postdoc-

toral fellowship, working on the genetic code,” Rottman said. “It was a very exciting time because everyone was thinking it might be possible to unscramble the genetic code, but no one knew what the code words would be.”

Approximately every three months, the team discovered a new three-letter code word for one of the 20 amino acids, which are the building blocks of proteins. “It was like unscrambling a giant living puzzle,” Rottman said. “Eventually we defined the code words for each amino acid and established that the same code words were used in all living systems. We were fortunate to have found that last piece of the puzzle.”

In 1968, Nirenberg won the Nobel Prize for deciphering the genetic code. By that time, Rottman had secured an appointment at Michigan State University as a professor of biochemistry. While at Michigan State, Rottman’s laboratory continued research in molecular biology and described the “start signal” for messenger RNA, the working copy of DNA.

“Like all discoveries in science, our work was built on the shoulders of many other scientists preceding us,” Rottman said. “That’s how science progresses—always building on what is known to make that next step in understanding the unknown.”

After a fifteen-year tenure at Michigan State, Rottman became professor and chairman of molecular biology at Case Western Reserve University (CWRU) School of Medicine. “Case Western was rather unique; there was a close working relationship between basic scientists and many clinical

research physicians, which included a major focus on HIV/AIDS and other diseases somewhat unique to developing countries,” said Rottman.

Because of the nature of his research, Rottman frequently spoke publicly about scientific progress and the intersection of faith and science. The unscrambling of the genetic code and subsequent cloning of specific genes led to many discussions about the potential dangers of this research, where it might lead, and if science was meddling in a part of God’s creation that could better be left alone.

Rottman’s perspective is that the advances in our understanding of living systems are gifts from God that can and should be used for the greater good of society.

Now retired and living near Grand Rapids, Rottman remains connected to research through his affiliation as a trustee for the Van Andel Research Institute, an independent, world-class medical research facility, in Grand Rapids. Since retirement in 1999, he and his wife, Carol Vanden Bosch ’60, have also become involved with the Christian Reformed World Relief Committee (CRWRC).

“While at Case, Carol and I were frequently challenged by colleagues in clinical medicine to spend time in Africa and become better acquainted with the terrible effects of HIV/AIDS, malaria and TB on the lives of our African neighbors. On our early trips to Africa with CRWRC staff and friends from the area, we experienced both the beauty and the tragedy of life in rural villages, whose residents

had no access to drugs for treating these diseases.”

Since that time, the Rottmans have made multiple trips to Africa, focusing primarily on HIV/AIDS treatment. A collaboration has developed between CRWRC, Case Western HIV/AIDS specialists, and treatment programs of the Ugandan government. Resources from each of these groups unite in remote villages, where access to drugs would otherwise not be available.

Throughout his career, Rottman has maintained close ties with Calvin. His three children—Doug ’86, Barb Hoogenboom ’83 and Sue Naum ’88—are Calvin graduates. Currently, the Rottmans live on acreage north of Grand Rapids, where they have worked to restore the land to a native grass and wildflower prairie. Calvin biology professors Randy Van Dragt and Dave Warners, along with Calvin students, use the prairie for environmental studies.

Of the Distinguished Alumni Award, Rottman said: “I have always been grateful for my training at Calvin, the broad exposure to a world- and life-view and strong friendships that continue to this day. I’ve benefited from a solid preparation in science and exposure to many other fields, thanks to the comprehensive curriculum and the dedicated professors at Calvin. Looking back over my career in science, I now see God’s hand more clearly than when I was actively engaged in research. And while visiting Africa or here on the native prairie, I am constantly amazed at God’s creating and sustaining power.”

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BACHELOR OF SCIENCE**

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Mathematics, Physics**

Mark M. Ash  
Juliana L. Bartel  
Timothy M. Bartlam  
Nathan D. Beach  
Daniel K. Bediako  
Alexander A. Blanski  
Adam K. Bol  
Erica J. Boldenow  
William R. Breese  
Tyler S. Buit  
Caitlyn M. Carter  
Kevin T. Chevalia  
Gabriel L. De Jong  
Karin L. DeJong  
Emily P. DeVries  
Leanne N. de Waal Malefyt  
Katherine R. De Young

Marie L. DeYoung  
David L. Dornbos, III  
Jonathon L. Dozeman  
Stephanie L. Duncan  
Elroy J. Dyksen  
Matthew W. Dykstra  
Steven L. Dykstra  
Evan P. Eilers  
Kristina R. Ettema  
Courtney J. Frey  
Matthew J. Garvelink  
Rachael A. Glassford  
Jennifer E. Goedhart  
Lee P. Heeringa  
Victor A. Hernandez  
Peter D. Hiskes  
Sarah C. Hofman  
Kathleen M. Hoogeboom  
Brad S. Huizenga  
Sarah E. Jelsema  
Kristin E. Jongsma  
Justin T. Jonker  
Helga Joshua  
Sarah G. Kamper  
Armin J. Karim IV  
Justin A. Keffer  
Luke E. Kenbeek  
Alysha N. Kett

Benjamin J. Koestler  
Jeffrey M. Koning  
Laurie A. Koning  
Leonard P. Krygsman, IV  
Kate R. Leese  
Anneke C. Leunk  
Mary J. Lim  
Brandon J. Lingbeek  
Jared P. Litty  
Mario F. Lucia  
Katherine M. Lyzenga  
Hannah E. Maier  
Carl E. McQueen  
Amanda K. Messer  
Samantha L. Miller  
Devin T. Mistry  
Whitney A. Nelson  
Ross E. Norman  
Jerran N. Orwig  
Jessica E. Paul  
Rachael A. Pensinger  
Aren J. Phillips  
Laura J. Porter-Peden  
Kyle L. Radosevich  
Robert C. Roos  
David H. Roukema  
Brian W. Ryckbost  
Jonathan P. Schmitkons

Hope E. Shaffer  
Kimberly J. Spronk  
Kourtney F. Stonehouse  
David E. Streng  
Amy M. Strikwerda  
Nathaniel I. Strong  
Clayre E. Tanis  
Jessie F. Taylor  
Andrew M. Tidball  
Richard K. Tilton  
Andrew R. Troy  
Joel A. Unema  
Sara B. VanBronkhorst  
Caleb A. Van de Kleut  
Sara K. VandenBranden  
John D. VanderHeide  
Laura A. Vander Neut  
John S. Van Dyke  
Hine Vang  
Ryan H. Van Putten  
Holly L. VanWyk  
Abigail F. Veldkamp  
Taylor G. Voss  
Stephanie R. Watkins  
Alexandra E. Wells  
David S. Will  
William B. Wondergem  
Benjamin D. Workman

**BACHELOR OF ARTS OR  
BACHELOR OF SCIENCE**

**General Program:  
Social Science majors  
– Business, Economics,  
International Development  
Studies, Physical Education,  
Political Science,  
Psychology, Sociology**

Chad M. Achterhof  
Erin E. Alley  
Luke D. Allison  
Margaret E. Andersen  
Kirsten L. Anderson  
Ellen M. Arrowsmith  
Patricia U. Askew  
Sean I. Baker  
Eric A. Beach  
Elisabeth A. Beal  
Michael J. Beerhorst  
Christopher D. Beute  
Rory J. Blevins  
Jordan A. Bloem  
Ryan W. Boer  
Jared E. Bogaards  
Timothy C. Bollinger  
Maribeth K. Borchert  
Kincso I. Borgyos  
John H. Boumgarden  
David J. Brace  
Richard H. Brown  
Crystal P. Bui  
Kyle T. Buikema  
Clara R. Campbell  
Ryan J. Charles  
Kirsten L. Chase  
John Chhay  
Cora L. Christiaans  
Ha Na Chun  
Kathryn L. Cooper  
Stephen H. Cowan  
Robert M. Crane

Toni M. D'Agostino  
Josef C. Darusz  
Aaron A. Davis  
Kelsey C. DeHaan  
Sarah E. DeHoog  
Rachael M. DeKraker  
Laurel L. DeKruyter  
Alec C. DeLange  
Lauren E. Delgaty  
Rebecca Deng  
Andrew P. DeVries  
Sarah E. DeVries  
Michael E. De Wit  
Ruth A. Diemer  
Woodrow P. Dixon  
Dana A. Doll  
Anna E. Doud  
Austin P. Drury  
Tyler J. Eelkema  
Daniel J. Eizenga  
Carissa N. Elenbaas  
Michael D. Faber  
Amy M. Fahner  
John M. Feyen  
Greg M. Fieldhouse  
Jonathan B. Fischer  
Kara D. Fisher  
David A. Flikkema  
Kyle A. Folkema  
Steven M. Folkerts  
David C. Fortosis  
Timothy I. Frazier  
Kevin D. Fuller  
Mark A. Gabrielse  
Brian M. Genzink  
Karen R. Genzink  
Kristen A. Gere  
Sarah K. Geurkink  
Megan M. Ghysels  
Zachary E. Gibson  
Timothy M. Graff  
Andrew C. Gregory  
Jacob W. Gurtler  
So Young Han  
Caitlin R. Hanna  
Timothy R. Harris

Scott C. Hase  
Michael H. Hekman  
Matthew A. Hirdes  
Erin M. Hoadley  
Calvin T. Hoekman  
Christopher P. Hofstra  
Jonathan R. Hoogstra  
Jennifer R. Hossink  
Marcus M. Ibrahim  
Evie L. In't Hout  
Jamie A. Hubers  
Nicholas J. Ippel  
Philip D. Jackson  
Matthew A. Jakubowski  
Timothy P. Janke  
Amy E. Jonason  
Matthew T. Judge  
Lauren A. Jung  
Karen J. Kaashoek  
Erin L. Kammers  
Johnathan S. Kapenga  
Audrey M. Kelly  
Zachary R. Kimmel  
Jacqueline C. Klamer  
Emily B. Klooster  
Kevin H. Knol  
Austin J. Knuppe  
Peter A. Kontras  
Matthew R. Kool  
Staci L. Kool  
Robert W. Kooyenga  
David J. Korringa  
Christoper W. Kowalewski  
Jonathan M. Kuipers  
Todd D. LaForest  
Scott W. Larsen  
Eunice H. Lee  
Isaac J. Leestma  
Anna E. Lion  
Ka Chi Liu  
Handy Lu  
Mateos S. Macedo  
Miriam L. Maring  
James B. Martlew  
Lara N. Matzat  
Courtney B. Medema

Jenna E. Mellema  
Megan A. Miller  
Paul K. Miyamoto  
Mark W. Moerdyk  
Kenneth M. Moesker  
Fred E. Mohareb  
Christine F. Morris  
Keri A. Morton  
David J. Mulder  
Leah M. Mulder  
Benjamin T. Nanninga  
Andrew W. Ng  
Pamela M. Nordin  
Adam D. Nieuwkoop  
Nunana K. Nyomi  
Joshua D. O'Berski  
Joshua D. Oele  
Samantha K. Oliver  
Jonathan A. Ooms  
Emily M. Oosterhouse  
Julianne L. Opperwall  
Kevin J. Pasma  
Nicholas P. Paulucci  
Susan J. Pearson  
Stacey L. Penning  
Jonathan E. Persenaire  
Brandon J. Peterson  
Lindsey N. Peuler  
Charles M. Phelps  
Brian S. Pirog  
David D. Price  
Brian P. Quarrella  
Jonathan D. Rauwerda  
Clair C. Raymond  
Amy C. Reeves  
Anne E. Reilly Clegg  
Andrew J. Reinhardt  
Richard J. Rietberg  
Monica T. Rosales  
Cari L. Rottman  
Michael P. Ryskamp  
Keziah Samuel  
Shannon L. Schafer  
Bethany J. Schutt  
Lucas R. Seebeck  
Ho Kyung Seo

Hannah L. Serfling  
Paula J. Simoni  
John D. Singleton  
Abby Skeans  
David J. Slotsema  
Jacqueline S. Smith  
Kaurina K. Smith  
Matthew H. Snapper  
Sarah E. Snoeyink  
Elizabeth R. Souza  
James E. Spaan  
Angela E. Spitters  
Jillian L. Spoolstra  
Amanda L. Stek  
Stephen J. Stringer  
Joseph E. Sung  
Jessica K. Swagman

Michael R. Swierenga  
Rachel A. Sytsma  
Mark D. Teater  
Nanea T. Thomas  
Matthew S. Triemstra  
Linnea M. Trippett  
Kristine R. Tuinstra  
Jason M. Vande Kopple  
Christopher I. Vanden Berg  
Christina M. Vanden Bosch  
Joel S. VanderBand  
Sara N. Vander Bent  
Kyla K. Vander Hart  
Jessica L. VanderPloeg  
Marlene J. VanderSpek  
Julie A. Vande Vusse  
Lucas K. Van Drunen

Nathan J. Van Drunen  
Andrew L. Van Essendelft  
Chad A. Van Houten  
Eric VanMarion  
Alden M. Van Solkema  
Andrew J. VanStee  
Megan L. Van Vugt  
Anna M. Vanweerdhuizen  
Jeremy R. Veenema  
Justin R. Venhousen  
Eric W. Venlet  
Dawn M. VerBeek  
Julie L. VerHill  
Clay M. Verkaik  
Eric L. Visser  
Sara J. Visser

Gwen C. Vryhof  
Emily C. Vyn  
Eric T. Walber  
Kyle J. Walcott  
Jorim C. Wassink  
Tina L. Westveer  
Crystal J. Wigboldy  
Brian H. Wilkins  
Bryan D. Wilson  
Danielle Worthen-Ramos  
Sayaka C. Yamashita  
Chad M Yonker  
Ronald J. Zaagman  
Christopher J. Zoetewey  
Katie M. Zondervan  
Jennifer C. Zylstra

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**BACHELOR OF ARTS OR  
BACHELOR OF SCIENCE**

**Education Program:  
Elementary Education**

Lindsay R. Bailey  
Dana M. Baker  
Anne M. Bolkema  
Kelli L. Bowmaster  
Kristen M. Buurma  
Janae C. Byker  
Matthew J. Christians  
Erin M. Conrad  
Laurel A. Deeter

Jennifer M. DenOuden  
Jenelle L. Door  
Megan E. Dotinga  
Lauren E. Gamelin  
Megan M. Geenen  
Jonathan E. Gries  
Corinne P. Harberts  
Sarah L. Hoag  
Timothy A. Konyenbelt  
Jean-Daniel Lussier  
Amanda L. Mattson  
Colleen L. McNeiece  
Marci D. Mulder  
Lydia Park  
Joy A. Posslenzny

Kelly J. Post  
Jessica R. Preston  
Julia K. Roosma  
Katie M. Schonewill  
Kimberly A. Schrader  
Julia R. Signore  
Laura R. Sizemore  
Rachel L. Smeding  
Benjamin J. Sneller  
Kelly M. Steiner  
Nikki L. Stussick  
Katherine Y. Swierenga  
Heather A. Tritz  
Amy B. Vander Zwaag  
Angela E. Van Drunen

Maria L. Van Dyk  
Cori J. Van Koevering  
Ashley M. VanSickle  
Jennifer L. Van Winkle  
Katlyn E. Varela  
Michael D. Velthuizen  
Julie E. Vermeer  
Lindsey N. Vickery  
Andrea J. Voss  
Kara D. Westra  
Betsy A. Wierenga  
Faith E. Williams  
Kerri L. Zoetewey



**Education Program:  
Secondary Education**

Julie A. Bailey  
Chan Yang Bak  
Joel E. Berends  
Marjorie J. Block  
Lynn M. Bradshaw  
Justin M. Brassler  
Julie C. Brink  
Pamela J. Broene  
Katie E. Butcher  
Rebecca H. De Boer

Randall D. DeKleine  
Aaron E. Eding  
Jonathan I. Faber  
Kyle J. Fletcher  
Lindsey R. Geelhoed  
Brett R. Geertsma  
Joshua M. Glerum  
Michael J. Goorhouse  
Allyson G. Green  
Benjamin E. Hammer  
Jennifer A. Harkema  
Eric R. Heerspink

Kate D. Hickey  
Noah W. Hollander  
Hanna L. Hoovestol  
Jennifer N. Horst  
Michelle R. Jonker  
Sean M. Kass  
Justin N. Kenderes  
Kathleen Q. Kovach  
Jonathan P. Langdon  
Charis G. Larson  
Katy L. Luimes  
Kevin G. Martin

Benjamin T. McCray  
Erin M. Moore  
Tyler A. Petrini  
Scott D. Piersma  
Matthew J. Sterenberg  
Chara J. Svaan  
Benjamin A. Vanden Berg  
Rachel M. VanDerWiele  
Derek J. Van Dyke  
Rachel D. Van Wingerden  
Michael D. Veldstra  
Annalise Venhuizen

---

**Education Program:  
Special Education**

Stacie B. Bode  
Lisa J. Boone  
Kristin Bredeweg  
Heather E. DeWeerd

Ruth J. Flikkema  
Tyler B. Harms  
Gina L. Haverdink

Lauren E. Roberts  
Emily M. Steenstra  
Carla R. VandenBos

---

**BACHELOR OF SCIENCE  
IN ACCOUNTANCY**

Ann M. Boggs  
Tricia J. De Vries  
Gerald C. Egede  
Joshua A. Franken  
Genesis Q. Guanga

Brandon A. Hahn  
Lance N. Klamer  
Lee A. Klamer  
Steven D. Kotman  
Gitau Kungu

Anna M. Lobbstaal  
David J. Nielsen  
Meghan L. Rempel  
Catherine L. Van Proyen  
Joel A. Zandstra

---

**BACHELOR OF  
SCIENCE IN PUBLIC  
ACCOUNTANCY**

Eric W. Boer  
Brad A. Brummel  
Diane Dee D. Bunque  
Randall D. DeVries  
Pieter H. Groot  
Daniel L. Jahn

Allison M. Kats  
Jeremy T. Landon  
Michael A. Stob  
Chad A. Van Houten  
Megan L. Vanoostveen  
Timothy J. VanWingerden

Daniel W. Volkema  
Sarah L. Weller  
Charles D. Wilks  
Kraig P. Witte  
Wendy C. Zigterman

**BACHELOR OF  
COMPUTER SCIENCE**

Seth A. Janes

Brandon C. Thomas

John E. VanEnk

---

**BACHELOR OF SCIENCE  
IN ENGINEERING**

Adebo O. Alao  
Philip Baah-Sackey  
Erik A. Barton  
Brian J. Bode  
Derek M. Boogaart  
Eric J. Bratt  
Nathan J. Brinks  
Jonathan D. Bruinsma  
Brianna S. Bultema  
Eu Sung Chung  
Jonathan S. Cooper  
Gwendolyn R. Einfeld  
Joseph A. Englin  
Andrew W. Gabler

Christopher J. Gates  
Joseph J. Gluvers  
Jeffrey M. Guerrero  
Michael W. Handlogten  
Joshua R. Harbert  
James R. Horton  
Jared J. Huffman  
Corinne N. Kluge  
Jason D. Kraai  
Richard K. Kwakye  
Christopher E. Lowell  
Aaron W. Lubben  
Daniel J. Luyk  
David R. Lyzenga  
Aaron R. Maat  
Philip E. Maier  
Alexander C. Marcus

Andrew P. McBurney  
Brian J. Medema  
Christopher A. Michaels  
Daniel J. Michalowski  
Benjamin C. Moes  
Jonathan E. O'Brock  
Christina M. Overbeck  
Christian B. Pfretzschner  
Brady R. Rathbun  
Charles S. Reitsma  
Jeremy A. Schut  
Aaron L. Scott  
Achyut Shrestha  
Justin M. Slocum  
Matthew T. Snyder  
Michael L. Spee  
Julie L. Stoddard

Jeremiah D. Strong  
Charles R. Terpstra  
Jordan L. Terpstra  
Frederick W. Thielke  
William A. Tolsma  
Michael B. Vance  
Daniel J. Vanden Akker  
David W. Van Geest  
Aaron W. Van Proyen  
Joshua E. Velthouse  
Nathan L. Verseput  
Mark T. Volle  
Joel R. Voogt  
Jordan L. Wanner  
Justin K. Wassink  
Theodore A. Worst

---

**BACHELOR OF  
FINE ARTS**

Sara A. Bakker  
Tracy R. Guajardo

Eric R. Heerspink

Ruth T. Ribeiro

---

**BACHELOR OF  
SCIENCE IN LETTERS  
AND OCCUPATIONAL  
THERAPY**

Kathryn S. Lindsten

Nora K. Wallace

**BACHELOR OF SCIENCE  
IN NURSING**

Scott A. Baar  
Ryan J. Borr  
William N. Brouwer  
Laura C. Clayton  
Christina E. del Salto  
Elizabeth A. De Maagd  
Rachel A. DenBoer  
Amanda J. DeVries  
Rachel D. Eldersveld  
Laura B. Essenburg  
Kurt A. Feringa  
Mary M. Fuller  
Lisa M. Gingerich

Carrie L. Groen  
Heather L. Guichelaar  
Laura E. Hall  
Andrea W. Homan  
Ellen R. Jackson  
Shinae Kim  
Aubrey I. Kingma  
Ethan A. Knoper  
Lindsey N. Koning  
Joshlyn S. Litzenberger  
Jessica A. Lutke  
Jalean A. Makedonsky  
Caitlin E. Martzke  
Kerman R. Moran-Facanha  
Ruth E. Mulder

Michael Niyibizi  
Scott E. Poortenga  
Sara K. Post  
Ali M. Reenders  
Florin T. Sarbu  
Krista L. Sneller  
Deanna K. Speyers  
Joshua C. Steiner  
Alyssa J. Tanis  
Jessica A. Tjapkes  
Sara L. Vail  
Laura L. Vanderlaan  
Cynthia A. Vander Moren  
Rebecca J. VanderVennen  
Melissa R. Vanderzee

Laura M. Van Norstrand  
Anna L. VanRegenmorter  
Hillary R. VanWoerkom  
Rachel M. VanZanten  
Cassandra M. Vedders  
Torian D. Veltkamp  
Julia C. Visbeen  
Rachel E. Visser  
Emily M. Vladuchick  
Nicole M. Voortman  
Melissa A. Waite  
Melissa C. Wideman  
Daniel D. Wiersma  
Ashley E. Wilson  
Jessica E. Witte

---

**BACHELOR OF SCIENCE  
IN RECREATION**

Joseph J. De Young  
Megan J. Grasman  
Tim F. Hurst  
Amy L. Jeltema

Mitchell G. McWilliams  
Chad F. Meekhof  
Christopher J. Morris  
Matthew L. Ponstein

Laura E. Schoonover  
Cassandra L. VanderWell  
Alice N. Weeda  
Chelsea N. Yergin

---

**BACHELOR OF  
SOCIAL WORK**

Ashley M. Bultje  
Hannah E. Butterfield  
Ji Young Byun

Mindy E. DeGroot  
Annalise J. De Zoete  
Melista D. Genzink  
Abigail S. Hoekstra  
William A. Hopkins  
Sarah M. Jansen Noteboom

Laura M. Kool  
Emery J. Lovse  
Heather M. Pasma  
Katie L. Rosendale  
Catrina R. Schrock  
Anna L. Taglialatela

Pa Thao  
Kristin B. VanderKam  
Lauren B. Vander Plas  
Katelyn J. Van Noord  
Joy M. VerBeek

## HONORS GRADUATES

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

**Rachael Glassford Baker**, honors in biochemistry

**Sean I. Baker**, honors in business

**Eric A. Beach**, honors in business/communication

**Nathan D. Beach**, honors in computer science

**Kwabena Bediako**, honors in chemistry

**Alezander A. Blanski**, honors in biotechnology

**Amie L. Bommelje**, honors in English

**Joshua S. Dekker**, honors in history

**Katherine R. DeYoung**, honors in biology

**David L. Dornbos, III**, honors in biology

**Gwendolyn R. Einfeld**, honors in engineering

**Jonathan B. Fischer**, honors in psychology

**Andrew W. Gabler**, honors in engineering

**Austin J. Hakes**, honors in history

**Joshua R. Harbert**, honors in engineering

**Jonathan H. Hirte**, honors in political science

**Kathleen M. Hoogeboom**, honors in physics

**Ashley J. Hutchison**, honors in history

**Daniel L. Jahn**, honors in public accounting and economics

**Sarah E. Jelsema**, honors in biology

**Karen J. Kaashoek**, honors in interdisciplinary major

**Sarah G. Kamper**, honors in biochemistry

**Armin J. Karim**, honors in music

**Drew P. Karlberg**, honors in philosophy

**Kevin H. Knol**, honors in psychology

**Austin J. Knappe**, honors in history and political science

**Christina J. Lechlitner**, honors in Asian studies

**Anna M. Lobbstaël**, honors in public accountancy

**Meredith J. Mele**, honors in English

**Stephen C. Mellis**, honors in Greek, Latin, and classical studies

**Ross E. Norman**, honors in physics

**Jerran N. Orwig**, honors in biology

**Jessica E. Paul**, honors in biology

**Susan J. Pearson**, honors in biology

**Christian B. Pfretzschner**, honors in engineering

**Cari L. Rottman**, honors in psychology

**Shannon L. Schafer**, honors in international development

**John D. Singleton**, honors in economics

**Jacqueline S. Smith**, honors in psychology

**Michael L. Spee**, honors in engineering

**Caitlan R. Spronk**, honors in English

**Kimberly J. Spronk**, honors in biochemistry

**Joseph E. Sung**, honors in international relations

**Jessie F. Taylor**, honors in physics

**Fredrick W. Thielke**, honors in engineering

**Richard K. Tilton**, honors in biology

**John D. Vander Heide**, honors in biology

**Marlene J. VanderSpek**, honors in sociology

**Elizabeth A. Vander Veen**, honors in speech pathology  
and audiology

**Lucas K. Van Drunen**, honors in business

**John S. Van Dyke**, honors in physics

**Melissa D. Van Wyk**, honors in classical studies

**Annalise Venhuizen**, honors in English

**Emily C. Vyn**, honors in psychology

**William B. Wondergem**, honors in biology

## SENIOR HONORARY AWARDS

**David A. Baldwin**

Music Teachers National Association Student Achievement

**Nathan D. Beach**

CCA Computing Award

**Kwabena Bediako**

The Robert J. Albers Outstanding Senior in Biochemistry Award

**Stephanie L. Beerens**

VanderArk Distinguished Student Teacher Education Award

**Peter T. Bosch**

Kent Medical Foundation Grant

**David L. Dornbos III**

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

**Jonathan J. Fisher**

Zondervan Greek Award

**Jennifer E. Goedhart**

The Bernard J. TenBroek "Excellence in Biology in Research"  
Award (Organismal Biology/Ecology)

**Michael J. Goorhouse**

Paul H. Boonstra Memorial Award in Mathematics Education

**Austin J. Hakes**

Dr. Peter D. Hoekstra Memorial Award (History)

**Benjamin E. Hammer**

VanderArk Distinguished Student Teacher Education Award

**Jennifer A. Harkema**

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

**Kate M. Hickey**

VanderArk Distinguished Student Teacher Education Award

**Bradford S. Hoff**

The History Department John DeBie Prize

**Sarah C. Hofman**

Elsa Cortina Outstanding Senior Award (Spanish)

**Emily E. Huysen**

VanderArk Distinguished Student Teacher Education Award

**Paula M. Kielstra**

French Department Outstanding Senior Award  
Harmon D. Hook Memorial Award (English)

**Stephen C. Mellis**

Classical Association of the Middle West and South (Classics)

**Casey J. Nagle**

William B. Eerdmans Literary Award (English)

**Laura Porter-Peden**

The Karen J. Carlson Muyskens Outstanding Senior in  
Chemistry Award

**Jonathan P. Schmitkons**

Outstanding Senior Award in Geology

**Hope E. Shaffer**

The Bernard J. TenBroek "Excellence in Biology in Research"  
Award (Cell/Molecular Biology)

**Jacqueline S. Smith**

French Department Outstanding Senior Award

**Emily M. Spinniken**

VanderArk Distinguished Student Teacher Education Award

**Nathaniel I. Strong**

William Rinck Memorial Prize in Mathematics

**Jessica H. Taylor**

William Rinck Memorial Prize in Mathematics

**Richard K. Tilton**

Bret and Marlene Kort Award in Medicine

**Joel A. Unema**

Outstanding Senior Award in Geology

**Laura A. Vander Nuet**

Outstanding Senior Award in Geography

**Maira L. VanDyk**

VanderArk Distinguished Student Teacher Education Award

**Melissa D. Van Wyk**

Latin Award for Outstanding Achievement

**Annalise Venhuizen**

VanderArk Distinguished Student Teacher Education Award

## 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.



*Art and  
Art History*



*Business*

### **Art and Art History 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.

### **Business Department**

The banner of the Business Department depicts a visual representation of business as a nexus of relationships between people. A Christ centered education is symbolized by the center vertical column and the horizontal shape of human figures forming a cross. The center vertical, white column also symbolizes the light of learning and the presence of the Holy Spirit in education.



*Biology*



*Chemistry and  
Biochemistry*

### **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 floor plan 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*



*Communication  
Arts and  
Sciences*

### **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



Economics

### Computer Science Department

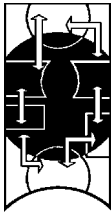
The banner of the Computer Science Department features a Turing machine, the foundational model of digital computation. The zeroes and ones on its tape reflect the binary logic by which digital computation is implemented. The changing colors and order of the numbers express the transition as data move 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 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



Engineering

### 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



French

### 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 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, & Environmental Studies

### 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  
& Asian  
Languages  
& Literatures*



*Health, Physical  
Education,  
Recreation,  
Dance & Sport*

### **Germanic and Asian Languages and Literatures 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**

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  
& Statistics*



*Music*

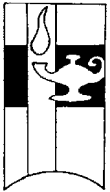
### **Mathematics and Statistics Department**

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 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*



*Philosophy*

### **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



Psychology



Sociology &  
Social Work



Political  
Science



Religion



Spanish

### **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 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 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.

<b>Banners:</b>	Robin A. Jensen
<b>Commencement Committee:</b>	Peter Tigchelaar and Darlene Meyering, co-chairs, Donna Anema, Rick Balfour, Ada Castle, Sharolyn Christians, Robert Crow, June DeBoer, Ben Graves, Mary Jeanne Quist, Jeff Stob, Diane Vander Pol, James Van Wingerden
<b>Commencement Participants:</b>	Johnathan Bascom, Ruth Groenhout, Karen Saupe, Cynthia Slagter, James VandenBosch, Douglas VanderGriend, Dean Ward, Uko Zylstra
<b>Greeters:</b>	Henk Aay, Judy Baker, Joy Bonnema, Jack Bosscher, Randy Brouwer, David Dornbos, Earl Fife, Dick Harms, Tom Hoeksema, Jim Jadrich, Michelle Loyd-Paige, Raymond Slager, Frank Speyers, Thomas Steenwyk, Peter Tigchelaar, Judy VanderWoude
<b>Liturgy:</b>	David Diephouse, Professor of History
<b>Faculty Marshals:</b>	Martin Bolt, Ph.D., Glen Van Andel, Ph.D.
<b>Student Marshals:</b>	Kwabena Bediako, Karen Kaashoek, Keziah Samuel, Michael Spee
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<b>Flowers:</b>	Eastern Floral
<b>Publicity:</b>	Phil de Haan, Director of Communications and Marketing; Michael J. Van Denend, Executive Director, Calvin Alumni Association
<b>Signers:</b>	Nancy De Maagd
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