

Statistics on CCRMA for OTL Report - 1994

I don't have years for patent applications - but the following CCRMA people have filed patents - OTL should have this information.

John Chowning
Chris Chafe
Perry Cook
Perry Cook/Dexter Morrill
Max Mathews
James A. Moorer
Xavier Serra
Julius Smith
Scott Van Duyne
Avery Wang

YEAR 1975

CCRMA was formed in 1975 with a joint grant from NSF and NEA.

As CCRMA, while considered a part of the Music Department, was administratively part of the Artificial Intelligence Laboratory of the Computer Science Department, costs such as expendables, maintenance and repair and administrative and technical salaries were partially absorbed by the A.I. Lab.

1. CCRMA Faculty and Research Staff

John Chowning, Assoc. Professor
Loren Rush, Research Associate
John Grey, Research Associate
James A. Moorer, Research Associate
Mark Kahrs, Systems Programmer

Graduate Student Research Assistants:

Richard F. Moore, Student Res. Assistant (PhD EE)
John Gordon, Student Res. Assistant (PhD Music)

Other Graduate Students

Mike Andrews (Music)
Garrett Bowles (PhD Music)
Rob Harvey (DMA Music)
Richard Henninger (DMA Music)
James Heinke (DMA Music)
Rosemary Killam (PhD Music)
Gareth Loy (DMA Music)
Mike McNabb (DMA Music)
Steve Martin (DMA Music)
Ira Mendlowitz (DMA Music)
Dale Polissar (DMAMusic)
Kip Sheeline (PhD Speech & Hearing)

John Strawn (PhD Music/Speech & Hearing)
Bill Schottstaedt (DMA Music)

CCRMA Undergrads

Liz Dreisbach (Music)
David Lang (Music)
Lyssa Livingston (Music)
Virginia Miller (Music)
Rob Poor (Music)
Debra Spencer (Music)

2. Number of students that graduated

3 - John Grey, PhD Speech & Hearing, James A. Moorer, PhD CS
Michael McNabb, MA Music

3. Number of patents - ?

4. Budget

Grant from NSF for Research Salaries and Equipment for 2 years
\$254,600
Grant from NEA for equipment
\$100,000
Matching Gifts for equipment
\$ 67,806
% of Yamaha Royalties as part of operating budget = 0%

YEAR 1979

In November 1979, the Artificial Intelligence Laboratory moved to Stanford campus and CCRMA remained at DC Power Laboratory. The university helped bootstrap the center.

1. CCRMA Faculty and Staff

John Chowning, Professor of Music
James A. Moorer, Research Associate
Loren Rush, Research Associate (on leave)
John Grey, Research Associate (on leave)
Leland Smith, Professor of Music
Patte Wood, Administrative Assistant

Graduate Student Research Assistants:

John Gordon, Student Research Assistant (PhD Music)

Other Graduate Students

Jonathan Berger (DMA Music)
Eduardo Castro-Sierra (PhD Speech & Hearing)
Chris Chafe (DMA Music)
Pamela Decker (DMA Music)
John Gordon (PhD Music)

Rob Harvey (DMA Music)
Richard Henninger (DMA Music) - on leave
Paul Kirk (DMA Music)
Gareth Loy (DMA Music)
Rick Martin (EE)
Steve McAdams (PhD Speech & Hearing)
Michael McNabb (DMA Music)
Bill Menkin (PhD Music)
Ann Mueller (PhD Music)
Bruce Pennycook (DMA Music)
Bill Schottstaedt (DMA Music)
Kip Sheeline (PhD Speech & Hearing)
Yung Shen (DMA Music)
Julius Smith (PhD EE)
John Strawn (PhD Music)
Paul Wieneke (DMA Music)

2. Number of students that graduated

3 - Rob Harvey DMA Music, Bruce Pennycook DMA Music,
Bill Schottstaedt DMA Music

3. Number of patents - ?

4. Budget

\$230,941 for Salaries and Operating Expenses - NSF, Stanford, Gifts

\$214,875 for equipment -

Stanford, NEA, Yamaha Royalties

% of Yamaha Royalties as part of operating budget = 0%

\$90,000 Royalty advance for equipment purchase

YEAR 1983-84

In 1982-83, CCRMA Received a \$3 million dollar grant for 5 years to cover CCRMA operating expenses and equipment purchase.

1. Faculty and Staff

John Chowning, Professor of Music
Patte Wood, Administrative Director
Heidi Kugler, Secretary
Jonathan Berger, Asst. Professor of Music
Leland Smith, Professor of Music
John Pierce, Visiting Emeritus Professor of Music
Earl Schubert, Professor of Speech & Hearing
Loren Rush, Senior Research Associate
Bernard Mont-Reynaud, Research Associate
Bill Schottstaedt, Research Associate
Chris Chafe, Research Associate

- ✓ Rob Poor, Technical Coordinator
- ✓ Tovar, Systems Engineer
- ✓ Phil Gossett, R & D Engineer
- ✓ Mark Dalrymple, Audio Engineer

Graduate Student Research Assistants:

- ✓ Jeff Borish, Student Research Assistant, (PhD EE)
- ✓ David Jaffe, Student Research Assistant (DMA Music)
- ✓ Mark Goldstein, Student Research Assistant (PhD CS)
- ✓ John Gordon, Student Research Assistant (PhD Music)
- ✓ Kyle Kashima, Student Research Assistant (EE)
- ✓ Brian Roe, Student Research Assistant (EE)
- ✓ Andy Schloss, Student Research Assistant (PhD Speech & Hearing)
- ✓ Robert Shannon, Student Research Assistant (PhD EE)
- ✓ John Strawn, Student Research Assistant (PhD Music)
- ✓ William Susman, Student Research Assistant (DMA Music)
- ✓ Amnon Wolman, Student Research Assistant (DMA Music)

Other Graduate students

- ✓ Robert Adams, (Product Design)
- ✓ Rachel Boughton, unmatriculated
- ✓ Howard Cash, (Music/Psychology)
- ✓ Eduardo Castro-Sierra, (PhD Speech and Hearing)
- ✓ Tsao Chieh, (DMA Music)
- ✓ Chris Christiansen, (DMA Music)
- ✓ Doug Fulton, (DMA Music)
- ✓ Patricia Halverson, (PhD Music)
- ✓ Thorstein Hauksson, (DMA Music)
- ✓ Miguel Helft, (CS)
- ✓ Yvonne Kendall, (PhD Music)
- ✓ Doug Keislar, (PhD Music)
- ✓ David Lo, (Speech and Hearing)
- ✓ Stanislaw Krupowicz, (DMA Music)
- ✓ Jean Lee, (PhD Music)
- ✓ David Lo, (PhD Speech and Hearing)
- ✓ Servio Marin, (MA Music)
- ✓ Steve McAdams, (Phd Speech & Hearing)
- ✓ Hal Peterson, (DMA Music)
- ✓ Xavier Serra, (PhD Music)
- ✓ Kip Sheeline, (PhD Speech and Hearing)
- ✓ Julius Smith, (PhD EE)
- ✓ Lynn Toribara, (PhD Music)
- ✓ Brent Townsend, (EE)
- ✓ Marshall Tuttle, (DMA Music)
- ✓ Paul Wieneke, (DMAMusic)
- ✓ Erling Wold, (EE/CS Berkeley)
- ✓ Maryann Zahorsky, (PhD Music), Berkeley

2. Number of students that graduated

6 - John Gordon, DMA Music, David Jaffe DMA Music,
William Susman, MA Music, Jeff Borish PhD Speech & Hearing,
Steve McAdams PhD Speech & Hearing, Julius Smith EE

3. Number of patents - ?

4. Budget

\$711,017

\$203,943 NSF

13,000 NEA

439,967 SDF

11,500 Gifts

42,607 Stanford General Funds

% of Yamaha Royalties as part of operating budget = 0%

Year 1987-88

The SDF Grant supporting CCRMA operating budget and research ran out and CCRMA operating budget began being supported from Yamaha Royalties
Yamaha Royalties were also used in 1985-86 for the refurbishment of the Knoll Building.

1. CCRMA Faculty and Staff

- John Chowning, Professor of Music
- Patte Wood Administrative Director
- Heidi Kugler, Secretary
- Max Mathews, Professor of Music (Research)
- Leland Smith, Professor of Music
- John Pierce, Visiting Emeritus Professor of Music
- Earl Schubert, Professor of Speech & Hearing, Emeritus
- Bernard Mont-Reynaud, Senior Research Associate
- Chris Chafe, Technical Director/Research Associate
- Bill Schottstaedt, Research Associate
- Julius Smith, Research Associate
- Emmanuel Gresset, Research Assistant
- Tovar, Programmer/Analyst
- Jay Kadis, Audio Engineer

Graduate Student Research Assistants:

- Perry Cook, Student Research Assistant (PhD EE)
- Douglas Keislar, Student Research Assistant (PhD Music)
- Stanislaw Krupovicz, Student Research Assistant (DMA Music)
- David Mellinger, Student Research Assistant (PhD CS)
- Xavier Serra, Student Research Assistant (PhD Music)
- Robert Shannon, Student Research Assistant (PhD EE)

CCRMA Graduate Students

- Emily Brant (MA Music)
- Estrella de la Cruz (DMA Music)

Glen Diener (PHD Music)
Young-lee Eom (MA Music)
Jonathan Franklin (PhD VTSS)
Harlan Hokin (DMA Music)
Brent Johnson (PhD EE)
Richard Karpen (DMA Music)
Ben Knapp (PhD EE)
Steven Lakatos (PhD Music)
Chris Lanz (DMA Music)
Alfred Leung (PhD Music)
Daniel Oppenheim (DMA Music)
David Perry (PhD Psychology)
Ami Radunskaya (PhD Math)
Alex Tkaczewski (DMA Music)
Cheng Wang (DMA Music)
Xu Sike (MA Music)
David Zicarelli (PhD Neurobiology)

CCRMA Undergraduates

Robert Armas (undeclared)
Joseph Belfiore (undeclared)
Wendy Chow (Symbolic Systems)
Gregory Cohen (undeclared)
Peter Commons (EE/Music)
Daniel Culbert (CS)
Scott Douglas (EE)
Steven Fram (Philosophy)
Tim Gallagher (undeclared)
Peter Habicht (Music)
David Hornik (undeclared)
Martha Horst (Music/VTSS)
Deborah Jue (undeclared)
Andrew Leary (EE)
Michael Maurer (Music)
Jeffrey Neal (undeclared)
Eric Ranelletti (undeclared)
Sean Varah (Music/CS)
William Wallace (Music)
Carl Wescott (undeclared)
Timothy Westergren (PolySci)
Chanel Wheeler (CS)

2. Number of graduate students that graduated

4 - Servio Marin MA Music, David Jaffe DMA Music, John Gordon PhD Music,
David Lo PhD Speech & Hearing

3. Number of patents - ?

4. Budget

\$543,964

\$ 82,555 SDF

\$265,076 Yamaha Royalty Income

\$ 30,000 H&S

\$165,687 NSF

% of Yamaha Royalties as part of operating budget = 49%

(approx \$700,000 of Yamaha Royalties was used for the reburishing of the Knoll Studios in 1986)

YEAR 1992-93

(I don't have 93-94 figures yet)

1. CCRMA Faculty and Staff

John Chowning, Professor of Music
Chris Chafe, Assoc. Prof of Music/Technical Director
Patte Wood, Administrative Director
Heidi Kugler, Secretary
Jay Kadis, Audio Engineer
Fernando Lopez-Lezcano, Scientific Research Programmer
Marcia Bauman, Research Associate
Perry Cook, Research Associate
Max Mathews, Professor of Music (Research)
John Pierce (Visiting Professor of Music Emeritus)
Bill Schottstaedt, Research Associate
Julius Smith, Assoc. Prof of Music
Leland Smith, Professor of Music, Emeritus

Graduate Student Research Assistants:

David Berners, Student Research Assistant, PhD EE
Brent Gillespie, Student Research Assistant, PhD ME
Michael Goldbach, Student Research Assistant, EE/Economics
Li Zeng, Student Research Assistant, DMA Music

Other Graduate Students

Celso Aguiar, DMA Music
Yorgos Antoniou, DMA Music
Jan Chomyszyn, PhD Music
Kui Dong, DMA Music
Thomas Dougherty, Research Assistant, Psychology
Michal Edwards, DMA Music
Robert Fleck, PhD Music
Nicholas Hopkins, DMA Music
Alex Igoudin, PhD Music
Steven Lakatos, PhD Psychoacoustics
David Lo, MA Music
Cory Modlin, PhD EE

Enrique Moreno, PhD Music
Daniel Oppenheim, DMA Music
Gary Scavone, PhD Music
David Soley, DMA Music
Jonathan Steuer, PhD Communication
Atau Tanaka, PhD Music
Steven Trautmann, DMA Music
Jan VandenHeede, DMA Music
Rick vanderKam, PhD EE
Scott Van Duyne, PhD Music
Paul von Hippel, PhD Music
Avery Wang, PhD EE
David Zicarelli, PhD Neurobiology

Undergraduates and MST (Music, Science & Technology) Majors

Kwama Anku, Music
Aurika Checinska, MST Music
Jeff Chen, MST Music
Lonny Chu , MST Musc/ME
Peter Habicht, Acoustical Engineering
Jimmi Hagan, MST Music
William Hogan, MST Music
Monte Klaudt, MST Music
Biard MacGuineas, MST Music
Jeff Mason, MST Music
Ben Meisel, MST Music
Jason Naiden, MST Music/Industrial Engineering
Chris Otto, MST Music
Kelly Ramirez, MST Music
Jim Sawyer, MST Music/Math/Computational Science
Seth Spalding, MST Music
Patrick Shainin, MST Music
Owen Smith, MST Music
Greg Smith, Computer Science
Scott Stanford, MST Music/ME
Blake Tucker, MST Music
Trace Wax, Music
Emmett Witchel, EE

2. Number of students that graduated - 5 undergraduate, 6 graduate

BA - MST

Biard McGuiness
Lonny Chu
Jeff Mason
Kelly Ramirez
Patrick Shainen

MA - Music

Michael Edwards

DMA - Music

Steve Trautmann

David Soley

Xike Su

PhD - Psychology

Thomas Dougherty

PhD - EE

Rick vanderKam

3. Number of patents - ?

4. CCRMA Base Operating Budget (this does not include special projects or affiliates program)

\$553,659

\$ 52,271 Stanford General Funds

\$501,366 Yamaha Royalty and Endowment Income

% of Yamaha Royalties as part of operating budget = 90%

(Yamaha Royalty income has been placed in an endowment account for CCRMA. Income from the account combined with Yamaha royalty income fund CCRMA's operating budget.)