

When it comes to
life-changing research
and education, you need to
think more than big.

the
Bigger Picture
Annual Report 2009-10

The efforts of our campus community to grow minds, face challenges and innovate solutions can make waves the world over.

That's why we don't just focus on the **big picture.**

We are intent on making breakthroughs that impact the

Bigger

Picture

Annual Report 2009-10



Photo: Daniel Milner

To the Case Western Reserve Community:

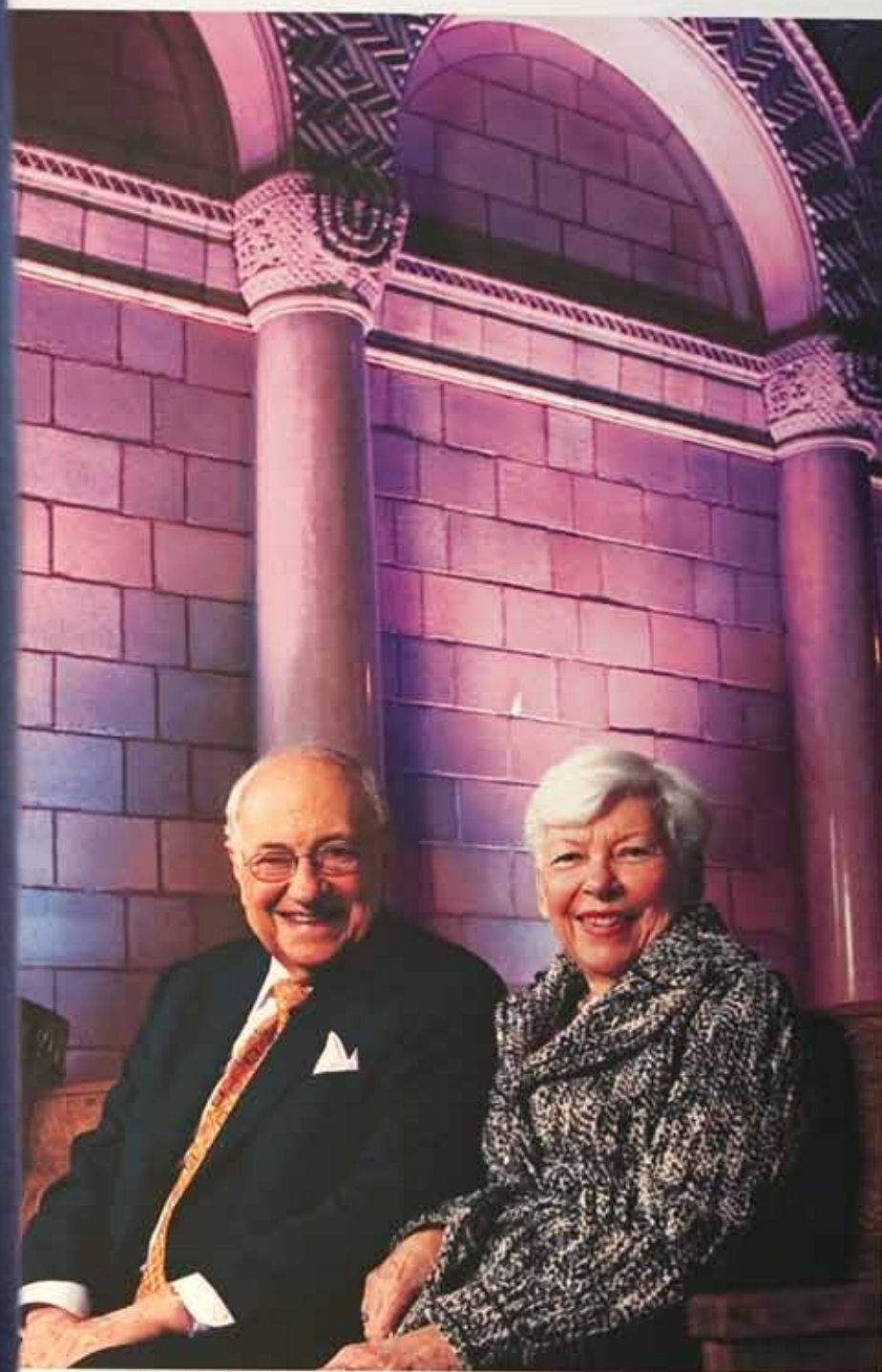
The momentum continues. As you will see, ours is an institution of aspirations. No matter what we have achieved in the past, new challenges always await. The people of Case Western Reserve possess the intellect, creativity and talent to offer answers. What's more, they are committed to making a positive difference. Imagine the legions that would benefit from a dynamic new space for our performing arts programs—especially when that space is The Temple – Tifereth Israel in University Circle. Milton and Tamar Maltz's \$12 million lead gift is sparking an extraordinary campaign to make the idea a reality.

Meanwhile, faculty member Jessica Kelley-Moore is steering an effort to increase inner-city residents' access to healthy foods. Her project is one of several initiatives that not only enhances the community, but also offers lessons others can apply nationwide.

Our students demonstrate similar ingenuity and passion. The undergraduates who made a low-cost solar furnace highlight how even the simplest tools can improve the lives of people around the globe.

As impressive as these examples are, they are just a sampling. People across this campus look for the bigger picture every single day. We hope you enjoy learning about how they find it in this, our 2009-2010 annual report.

Barbara R. Snyder, PRESIDENT



Preservation Takes Center Stage

The Temple – Tifereth Israel has sat as a majestic cornerstone of University Circle for more than 80 years, and has been noted on the National Register of Historic Places. Yet the maintenance needs of the 100,000-square-foot sanctuary were great for a congregation that used the space only occasionally.

Case Western Reserve University's active performing arts programs cater to more than 1,000 music, theater and dance students in any given semester, yet they lack a sizeable practice and performance space to suit their needs.

The solution? A unique partnership—catalyzed by a \$12 million gift from the Maltz Family Foundation of the Jewish Federation of Cleveland—has plans to create the **Milton and Tamar Maltz** Performing Arts Center at The Temple – Tifereth Israel. As soon as overall fundraising is complete, the university will renovate the historic space to function as a performing arts venue for Case Western Reserve students. At the same time the architecture of The Temple will be preserved to keep it useable and available to the congregation for worship on high holy days and other significant occasions. Watch this innovative story of collaboration—and see how the partnership could serve as a national model for historic preservation—at case.edu/biggerpicture.

Good Food for All

Fast-food burgers and fries. Chips and cola from the corner store. A candy bar from a vending machine. For the homes and schools of inner-city neighborhoods, these are typical food offerings.

But what if the local corner store sold fresh fruits and vegetables? What if a neighborhood garden grew them? What if nutritional experts and researchers worked with local communities to address their food needs and developed personalized solutions for healthy food access and education? That's the goal of the core project of the new Prevention Research Center for Healthy Neighborhoods at Case Western Reserve. A team led by **sociology associate professor Jessica Kelley-Moore** is engaging community residents in an effort to address the healthy food shortages of inner-city neighborhoods. Watch how they are changing the entire food landscape in these areas at case.edu/biggerpicture.



Heat for Cheap

Old satellite dish purchased off Craigslist? Check. Seventy-five feet of aluminum-coated Mylar? Check. Four aerospace and mechanical engineering students determined to make the first inexpensive solar furnace? Check.

With the right supplies on hand, **engineering student Robert Abban** and fellow classmates Jesse Lee, Chris Lau and Jason Presutti were able to meet their goal for their senior capstone project. Their 10-foot-wide solar-furnace prototype was able to reach a high temperature of 626 degrees Celsius (1,158 F)—even in Cleveland springtime—inside the brick solar furnace suspended at the center of the parabolic dish, where sunlight is reflected and concentrated. Watch how their cost-efficient and environmentally friendly technology could serve as a stove, a water purifier or even an electrical generator in developing countries at case.edu/biggerpicture.



Finding Oral Cancer Fast

A minor, unassuming lesion on the inside of your mouth. Odds are, it's nothing. But in a small percentage of cases, it's the beginning stages of oral cancer—the time when treatment would lead to the most successful results. But to make the diagnosis, a biopsy is necessary—an invasive and costly procedure that isn't currently a practical response in these cases.

But a research team led by **biological sciences assistant professor Ge Jin** has discovered that a naturally occurring protein—human beta defensin-3—could serve as a red flag for this early stage of oral cancer. Watch how the presence of the protein—detected from the simple swipe of a cotton swab during a routine visit to your dentist's office—could lead to life-saving treatment at case.edu/biggerpicture.



Save a Little, Help a Lot

Many American kids get a piggy bank before their first birthdays. The notion of saving money—and having a secure place like a bank in which to do so—can easily be taken for granted in our society.

Yet for villagers in the South Asian country of Nepal, the idea of a bank holding onto their money was one almost entirely foreign. So when **economics assistant professor**

Silvia Prina was approached to help introduce financial assistance programs for Nepali villagers, she first assessed their needs and then started simply: with a unique savings program that efficiently brought the bank to the villages. Watch her story to see how the savings program took off—and how it could be a model for programs in other developing countries—at case.edu/biggerpicture.



An Essential Addition to Police Officers' Tool Belts

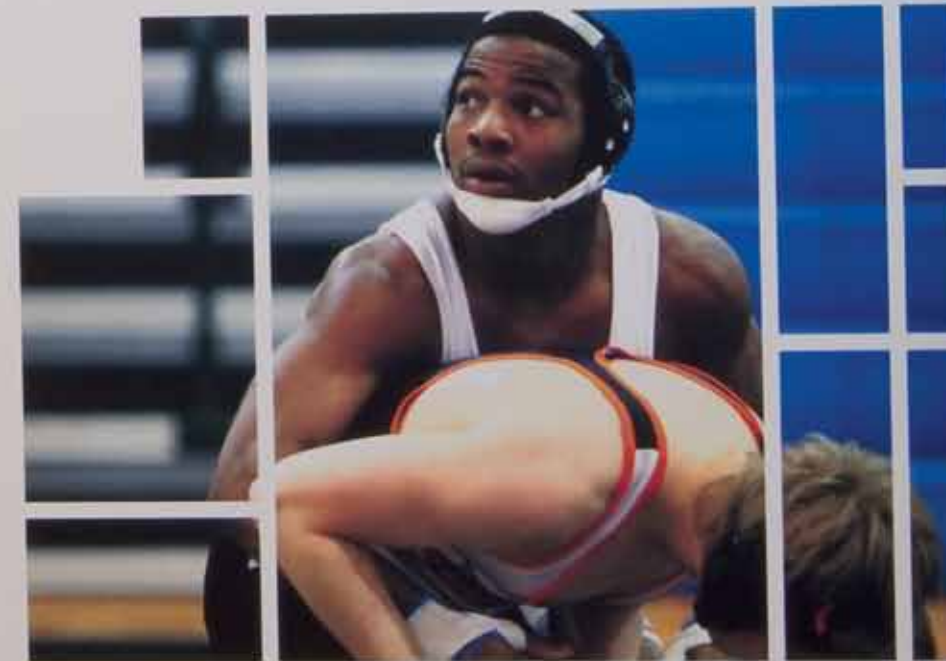
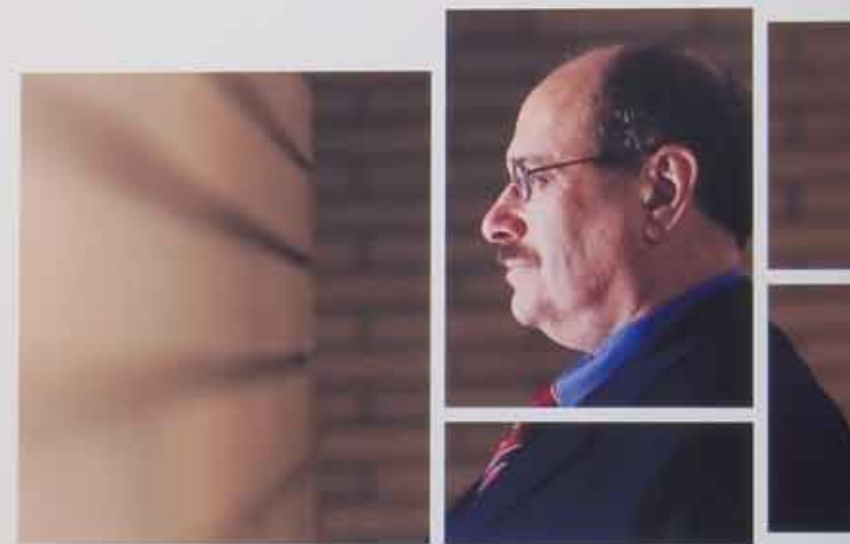
The patrol officers of the Cuyahoga Metropolitan Housing Authority (CMHA) Police Department are prepared to respond immediately to any potential criminal activity within the housing estates. What they frequently find on calls that bring them into homes, however, is not criminal activity, but families in potential need of social-service help.

Partnering with **social-work professor Mark Singer** and Mental Health Services, the CMHA police developed a needed tool to use in these instances. Their Police Assisted Referral Program provides officers with the ability to refer children and families to Mental Health Services for education, screening and treatment. Watch how the program provides officers with a much-needed option other than arrest or walk away—and learn how the program could assist police departments nationwide—at case.edu/biggerpicture.



More of the Bigger Picture

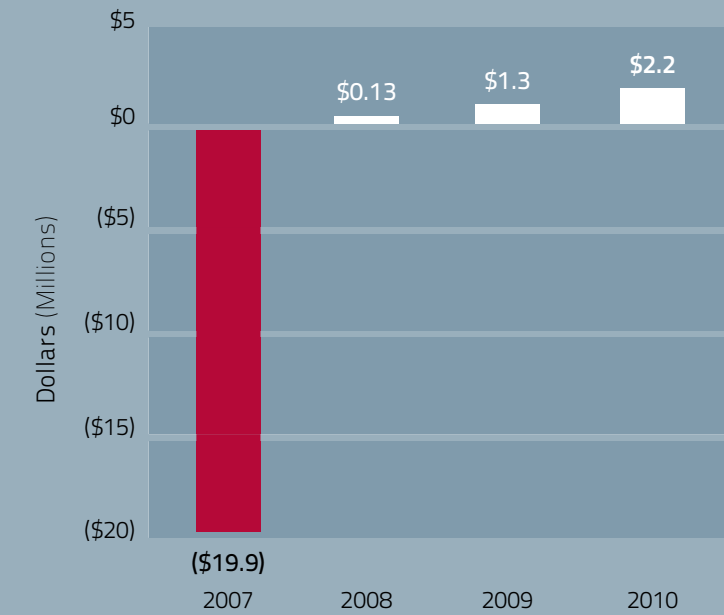
A new center, led by **Shirley Moore** (top left), promotes inclusion of people with all abilities in research. The country's oldest health-law program, directed by **Maxwell Mehlman** (top right), addresses the tricky intersections of medicine and the law in the 21st century. A national wrestling champion, **Isaac Dukes** (bottom right), won his title while on the mend from a serious injury. A start-up company, founded by Case Western Reserve graduates **Eric Neuman, Marc Plotkin and John Knific** (bottom left), takes the music-school audition process to cyberspace. See these stories—and even more of the bigger picture—at case.edu/biggerpicture.



Financial and Statistical Highlights

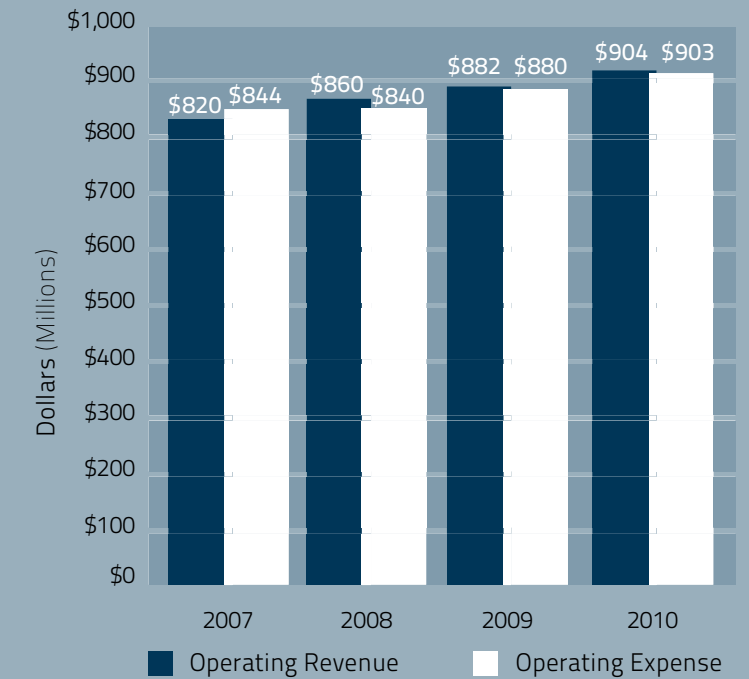
Operations*	Total operating surplus	\$2.2 million
	Total operating revenue	\$903.8 million
	Total operating expense	\$903.4 million
	Endowment funds (market value, June 30, 2010)	\$1,519 million
	Gifts and pledges from private sources	\$115.5 million
Research	Sponsored research and training revenue	\$385.7 million
Technology Transfer	Total licenses (to date)	250
	Total licensing revenues	\$14.3 million

Total operating surplus (deficit)
Fiscal years 2007-2010



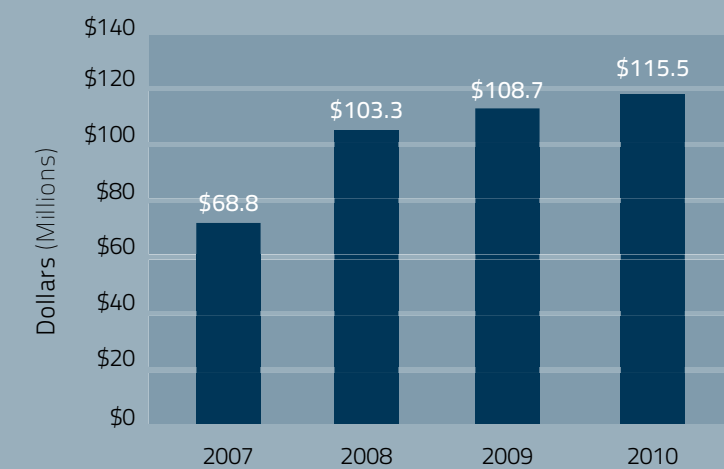
Degrees Awarded	Undergraduate	978
	Masters	989
	PhDs	211
	Other Doctorates (JD, MD, DMD, DNP, DMgt)	570
Degrees by School (Undergraduate and Graduate)	Case School of Engineering	476
	College of Arts and Sciences	678
	Frances Payne Bolton School of Nursing	228
	Mandel School of Applied Social Sciences	139
	School of Dental Medicine	86
	School of Law	275
	School of Medicine	390
	Weatherhead School of Management	476
Enrollment (Fall 2010)	Undergraduate	4,227
	Graduate and Professional	5,610
	States represented	50
	Countries represented	92

Total operating revenues and expenses
Fiscal years 2007-2010



Campus	Faculty (full-time)	2,745
	Staff (full-time and part-time)	3,217
	Campus Size	155 acres

Gifts and Pledges from Private Sources
Fiscal years 2007-2010



Alumni	Total Alumni	107,150
	Nobel Laureates	15

* Revenue, expense and operating surplus (deficit) figures per *Statement of Operations* (unaudited)
Endowment funds figure per university financial statements
Gifts and pledges figure per internal accounting (unaudited)
All figures rounded

All figures rounded

University Administration

as of Jan. 1, 2011

Barbara R. Snyder
President

William A. Baeslack III
Provost and Executive
Vice President

Christine Ash
Vice President, University Planning

David Bell
Vice President, Government Relations

Richard W. Bischoff
Vice President,
Enrollment Management

Robert Clarke Brown
Treasurer

Stephen M. Campbell
Vice President, Campus Planning
and Facilities Management

Mark E. Coticchia
Vice President, Economic
Development, Industrial Research
and Technology Management

Pamela B. Davis
Dean, School of Medicine, and Vice
President, Medical Affairs

Donald L. Feke
Vice Provost,
Undergraduate Education

David Fleshler
Associate Provost,
International Affairs

Grover C. Gilmore
Dean, Mandel School of Applied
Social Sciences

Jerold S. Goldberg
Dean, School of Dental Medicine

Lev S. Gonick
Vice President, Information
Technology Services, and Chief
Information Officer

Carolyn Gregory
Vice President, Human Resources

Richard J. Jamieson
Vice President, Campus Services

Lara A. Kalafatis
Vice President, University Relations

Bruce A. Loessin
Senior Vice President, University
Relations and Development

Marilyn Sanders Mobley
Vice President, Inclusion,
Diversity and Equal Opportunity

Glenn Nicholls
Vice President, Student Affairs

Robert H. Rawson Jr.
Interim Dean, School of Law

Mohan Reddy
Dean, Weatherhead School
of Management

Charles Rozek
Dean, School of Graduate Studies

Chris Sheridan
Chief of Staff to the President

John F. Sideras
Senior Vice President, Finance,
and Chief Financial Officer

Lynn T. Singer
Deputy Provost and Vice President,
Academic Programs

Sally J. Staley
Chief Investment Officer

Cyrus C. Taylor
Dean, College of Arts and Sciences

Norman Tien
Dean, Case School of Engineering

Colleen Trembl
Interim General Counsel

John D. Wheeler
Senior Vice President,
Administration

Jeffrey Wolcowitz
Dean, Undergraduate Studies

May L. Wykle
Dean, Frances Payne Bolton
School of Nursing

University Trustees

as of Jan. 1, 2011

Charles "Bud" J. Koch
Chair of the Board

Virginia N. Barbato

James L. Bildner

Linda Burnes Bolton

William E. Bruner II

Timothy J. Callahan

John P. Campi

Antony E. Champ

Kenneth B. Chance

Michael G. Cherkasky

Archie G. Co

David A. Daberko

James C. Diggs

Thalia Dorwick

Ronald I. Dozoretz

Gregory L. Eastwood

Charles D. Fowler

Susie Gharib

Joie A. Gregor

Sally Gries

Charles E. Hallberg

Daniel P. Harrington

Peter S. Hellman

W. Nicholas Howley

David P. Hunt

Jennie S. Hwang

Samir N. Jadallah

Mary Ann Jorgenson

Hemant Kanakia

Joseph P. Keithley

Caroline Kovac

Frank Linsalata

George L. Majoros Jr.

Joseph M. Mandato

Thomas F. McKee

Brian J. Ratner

Joseph B. Richey

Joseph A. Sabatini

Theodore L. Schroeder

Alan L. Schwartz

Lawrence M. Sears

Barbara R. Snyder, *ex officio*

Andrew Wasynczuk

Scott A. Wolstein

James C. Wyant

For a listing of the most current trustees, including emeriti, please visit case.edu/bot.

the
Bigger

Picture

comes to life online.

Watch now at

case.edu/biggerpicture

Case Western Reserve University Annual Report 2009-10

Editor
Christine Coolick

Print Designer
Lori Scheid

Web Developer
Eric Vazquez

Video Producer
Mary Gerity

Cinematography and Video Editing
**MediaVision and Commercial
Recording Studios**

Principal Portrait Photographer
Russell Lee
Portrait, pg. 2: **Tony Gray**

Environment
Photographer
Laura Webb

© 2011 Case Western Reserve University

Case Western Reserve University admits students of any race, religion, age, sex, color, disability, sexual orientation and national or ethnic origin to all the rights and privileges, programs and activities generally accorded or made available to students at the university. It does not discriminate on the basis of race, religion, age, sex, color, disability, sexual orientation or national or ethnic origin in administering its educational policies, admission policies, employment, promotion or compensation policies, scholarship and loan programs, and athletic or other university-administered programs.

UMC308_2010



10900 Euclid Avenue
Cleveland, Ohio 44106-7017

