

## Baker's Dozen "Greatest Hits" by UC Astronomers at UCO Facilities (Keck/Lick)

Greatest Hits	Faculty	UC Campus	UCO Facility	International/World-Class Prizes
<b>1. Discovery that the Expansion of our Universe is Speeding Up Rather than Slowing Down</b>				
	*Perlmutter	LBL/UCB	Keck/Lick	*Nobel Prize, *Shaw Prize, *Gruber Prize
	**Filippenko	UCB	Keck/Lick	**Gruber Prize
<b>2. Discovery that Our Milky Way Galaxy Harbors a Huge (Trillion Earths) Black Hole</b>				
	*Ghez/Morris	UCLA	Keck	*MacArthur Fellowship *Crafoord Prize (Nobel for Math & Astronomy)
<b>3. First Discovery of Planets Circling Other Stars</b>				
	*Marcy	UCB	Lick/Keck	*Shaw Prize
	Vogt	UCSC/UCO	Lick/Keck	
<b>4. Design Breakthroughs for the World's Largest Telescopes</b>				
	*Nelson/Mast	UCSC/UCO	Keck	*Kavli Prize
<b>5. Discovery of Mini-Planets Beyond Pluto</b>				
	*Jewitt	UCLA (orig.UH)	Keck	* Kavli Prize, *Shaw Prize
<b>6. First Clear Maps of Galaxies Seen 10 Billion Years Back in Time, More than Twice the Age of Earth</b>				
	*Faber/GuhaThakurta/Illyingworth/Koo	UCSC/UCO	Keck	*Medal of Science (US National)
	**Davis	UCB	Keck	**Gruber Prize (for Galaxy/Cosmology Theory)
	Coil	UCSD	Keck	
	Cooper	UCI	Keck	
<b>7. Confirmation of Our Universe's Hot Big Bang using Careful Weighings of Light Elements</b>				
	Tytler	UCSD	Keck/Lick	
<b>8. First Astronomy Telescope using Laser Technology to Remove the Blur of Our Atmosphere</b>				
	Max/Gavel	LLNL/UCSC/UCO	Lick	
<b>9. First Pictures of Multiple Planets in a "Solar System" beyond our Own</b>				
	Macintosh	LLNL	Keck	
<b>10. Landmark Instruments Making our Biggest Telescopes Even More Powerful by 10-Fold or More</b>				
	McLean (MOSFIRE Instrument)	UCLA	Keck	
	Vogt (HIRES/Hamilton Instrument)	UCSC/UCO	Keck/Lick	
	*Faber (DEIMOS Instrument)	UCSC/UCO	Keck/Lick	*Medal of Science (US National)
	Epps (All of the above instruments)	UCSC/UCO	Keck/Lick	
<b>11. Discovery of Enshrouded, Hidden Super Massive Black Holes in Galaxies like Our Milky Way</b>				
	Miller	UCSC/UCO	Lick	
	Antonucci	UCSB	Lick	
<b>12. Discovery of the Universe's Earliest-Known Milky-Way-Like Spiral Galaxy Seen Nearly 11 Billion Years Back in Time</b>				
	Shapley	UCLA	Keck	
	Reddy	UCR	Keck	
<b>13. Precision Measurements of Black Hole Masses in Nearby Milky-Way-Like Galaxies</b>				
	Barth	UCI	Lick	
	Canalizo	UCR	Lick	
	Treu	UCSB	Lick	
	*Filippenko	UCB	Lick	*Gruber Prize
	Malkan	UCLA	Lick	