

Science in Action Episodes

Show #	Show Title	Date Aired	Guest Scientist	Animal of the Week	Synopsis	Notes
1	Nature's Warfare Experts	9/21/1950	(none)	<i>Gila Monster</i>	"Animals shown as tanks, lancers, and paratroopers, practicing camouflage, artillery, and chemical warfare. Proof that man's weapons have been borrowed from lower animals."	
2	Navigators of the Night	9/28/1950	Orr, Dr. Robert T. (CAS) and Perry, Mary Lou	<i>Pacific Giant Salamander, Hell-Bender/Water Dog (salamander), California Newts</i>	"Bats - their strange habits and abilities - their navigation by 'sonar.' See the sounds of bats by oscilloscope. Dr. Robert T. Orr, Curator of Birds and Mammals of the Academy and Associate Professor of Biology of the University of San Francisco, will also compare bats with other mammals and with birds."	
3	Fins and Scales	10/5/1950	(none)	<i>Alligator</i>	"The fascinating study of fishes, with a wide range of exhibits. Tom Groody, Research Scientist of the Academy, will show how to make a home aquarium."	
4	Golden Harvest	10/12/1950	Pratt, Dr. Robertson (Associate Professor of Pharmacognosy, UC College of Pharmacy) and Miss Grace Gardner	<i>Knife Fish</i>	"Penicillin - its discovery, development, and value to human life. The actual manufacture of Penicillin - laboratory methods of incubation, extraction, refining, and testing with animals."	<i>Penicillin</i>
5	Backyard Jungle	10/19/1950	Essig, Dr. E.O. (UC) and Dr. John MacSwain (UC)	<i>Water Snake and Young</i>	"Exploring the world of insects all about us - how they look - how they live - their place in nature. Professor E. O. Essig, Chairman, Department of Entomology, University of California, will also present unusual insects from other parts of the world."	<i>Common Insects.</i>
6	Striped Sport	10/26/1950	Calhoun, Dr. Alexander J. (California Division of Fish and Game)	<i>Bullfrog</i>	"Dr. Alexander J. Calhoun, Fisheries Biologist of the California Division of Fish and Game, will show the scientific methods used in studying the habits and habitats of striped bass. Of special interest to sports fishermen, as well as to the general audience."	<i>Bass Fishing.</i>
7	Exploring Mars/Rocket to Mars	11/2/1950	Struve, Dr. Otto (UC)		"Join a mythical rocket journey into the universe. Learn about the solar system and interesting aspects of astronomy, meteorology, and physics. Your guide will be Professor Otto Struve, Chairman, Department of Astronomy, University of California."	
8	Sea Shore Life	11/9/1950	Miller, Dr. Robert C. (CAS)	<i>Grey Gibbon</i>	"Dr. Robert C. Miller, Academy Director, will take you on a seashore expedition to discover the wealth of fascination found in the teeming life of tide-pools, rocks, and seaweed beds."	

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9	Science and Crime	11/16/1950	Kelley, Dr. Douglas (UC)	<i>Turkey Fish</i>	"Dr. Douglas Kelley, Professor of Criminology, University of California, will show how his science protects mankind. Demonstrations of the scientific methods and equipment used in detection through fingerprinting, ballistics, criminal files and sorters, chemical analyses, and use of the 'lie detector.'"	
10	Future Scientists	11/23/1950	Fink, Mrs. Lois (Head, CAS Student Section) and Student Members of CAS	<i>Prickly Lizards, Blue-Tongued Skinks</i>	"Members of a high school class and their physics teacher will demonstrate fundamental physical laws and actual principles of mass, energy, levers, falling bodies, pressure, sound, and light."	
11	Tropical Jewels / Tropic Jewels	11/30/1950	Herald, Dr. Earl S. (CAS)	<i>Duck</i>	"Tropical fish from the world-famous collection of the Steinhart Aquarium. Dr. Earl S. Herald, Curator of Aquatic Biology of the Academy, will discuss the specimens and show how scientists collect them in the tropic marine depths."	<i>Tropical Fishes</i>
12	Copy of Nature	12/7/1950	Tose, Cecil (CAS), Belmore Brown (CAS), Velma Harris (CAS) & Toshio Asaeda (CAS)	<i>Raccoon</i>	"Mr. Cecil Tose, Preparator of Exhibits of the Academy, will show how the Academy's natural history exhibits and dioramas are arranged. Everything from the collection of animals on expeditions, through taxidermy and the construction of artificial plants and backgrounds, to the finished groups to be seen in the Academy's museum."	<i>Preparing Museum Exhibits</i>
13	The Mysterious Atom	12/14/1950	White, Dr. Harvey E. (UC)	<i>Police Dog</i>	"The atom - what it really is - what it does - how it gives up its secrets to the atomic physicist. A dramatic story of research. The Geiger counter in action - a cloud chamber - models of atoms - cosmic ray and radioactive research equipment. Guest will be Professor Harvey E. White, Professor of Physics, University of	
14	The Atom Tomorrow	12/21/1950	White, Dr. Harvey E. (UC)	<i>Short-Eared Owl</i>	"Dr. Harvey E. White, University of California nuclear physicist, will tell of constructive uses to which man can put atomic energy. The principles of the 'atomic pile' will be shown."	
15	Silent Feet	12/28/1950	(none)	<i>Laboratory Mouse</i>	"Cats of all kinds - from tabbies to tigers will hold the spotlight on this program - including views of a tigress and her cub."	<i>Cats; Guest was Mrs. Alice M. Clark, President of the Pacific Cat Club</i>
16	Stone Age Literature	1/4/1951	Miller, Dr. Robert C. (CAS)	<i>Kangaroo Rat</i>	"Dr. Robert C. Miller, Academy Director, makes a return appearance on Science in Action to tell how man taught himself to write."	
17	Black Gold	1/11/1951	Tickell, Dr. F.G. (Stanford)	<i>Alligator Snapping Turtle</i>	"Stanford University authority, Dr. F. G. Tickell, will relate the story of oil - how science and industry have worked together to find new and better uses of	<i>Oil</i>

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18	Lamps Through the Ages	1/18/1951	Brown, Dr. Leland H. (Stanford)	<i>Golden Hamster</i>	"The history of light and illumination will be traced by Dr. Leland H. Brown of Stanford University. Progress from the pine torch to the stroboscopic light will be shown."	
19	Game Birds	1/25/1951	Leopold, Dr. A. Starker (UC)	<i>Congo Eel (salamander)</i>	"Continuing enjoyment of wildlife is dependent on a vigorous program of conservation. Dr. A. Starker Leopold of the University of California will bring living game birds to your television screen."	
20	The Weather	2/1/1951	Felton, E.L. (U.S. Weather Bureau)	<i>Marmot/Ground-Hog</i>	"The science of weather affects everyone. E. L. Felton, District Supervisor, U. S. Weather Bureau, will be the guest scientist, demonstrating instruments and methods used in studying weather."	
21	The Story of Helium	2/8/1951	Hildebrand, Dr. Joel H. (UC)	<i>South American Squirrel Monkey</i>	"The story of helium - an element first discovered in the sun - will be told by Dr. Joel H. Hildebrand of the University of California."	
22	Dinosaurs and Diamondbacks	2/15/1951	(none)	<i>Goldfish</i>	"A parade of living reptiles - compared with their ancestors who roamed the earth millions of years ago."	<i>Guests: Jack Hawken, Robert Dempster, Lyman Ashley, John Harvey</i>
23	The Romance of Pharmacy	2/22/1951	Pratt, Dr. Robertson (UC)	<i>Pacific Tree Frog</i>	"Drugs and medicines - their history and development - will be traced by Dr. Robertson Pratt of the University of California faculty. Dr. Pratt's Science in Action program on Penicillin was one of the most popular in the first	
24	The Laws of Motion	3/1/1951	White, Dr. Harvey E. (UCB), Robert Bell, and student demonstrators	<i>Guide Dog for the blind</i>	"The laws of motion are constantly with us in our everyday lives. A panel of San Francisco High School students will demonstrate various fundamental principles	
25	Moles and Gophers	3/8/1951	Storer, Dr. Tracy I. (UCD) and Dr. Walter Howard (UCD)	<i>Spiny Crab</i>	"Dr. Tracy I. Storer, University of California faculty member, will take you on an underground tour of your garden."	
26	How Television Works	3/13/1951	CAS Staff Members and KGO-TV Staff Members	<i>Minah Bird</i>	"The know-how of your television shown by a behind-the-scenes view of Science in Action."	<i>Should date have been 3/15/1951?</i>
27	From Wild Dogs to Show Dogs	3/22/1951	(none)	<i>Rabbits</i>	"Dog champions of many breeds presented with the cooperation of San Francisco Dog Fanciers, Inc."	<i>Guest: Lyman Ashley</i>
28	Food from Sunshine	3/29/1951	Calvin, Dr. Melvin (UC) and Dr. Andrew Benson	<i>Spotted Skunk</i>	"Photosynthesis - the chemical miracle within plants that is the basis of life on earth. Dr. Melvin Calvin, University of California, Guest Scientist."	
29	Jet Propulsion	4/5/1951	(none)	<i>Crayfish</i>	"The newest form of motion - in use in nature five hundred million years ago."	<i>Guests: Chief Henry Segars (USN), Chief Frank Ruf (USN)</i>

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30	Coffee - An "Exotick" Drink	4/12/1951	Draper, Benjamin (CAS)	<i>Baby Indian Elephant</i>	"The catalyst of civilization - its romantic history from ancient kings to your breakfast table."	
31	Bone Hunters	4/19/1951	Camp, Dr. Charles L. (UC) and Robert W. Fields	<i>Guinea Pigs</i>	"How Paleontologists decipher the past."	
32	Trout Lore - Fact and Fancy	4/26/1951	Needham, Dr. Paul R. (UC)	<i>Opossum and Young</i>	"A favorite game fish - in the laboratory and on the line."	
33	Seeing is Not Believing	5/3/1951	Kelley, Dr. Douglas (UC)	<i>Chinchilla and Young</i>	"Visual Illusions as used by the magician, the psychologist, and the criminologist."	
34	Measuring Time	5/10/1951	(none)	<i>Woodrats</i>	"Time-telling through the ages - the development of clocks and watches."	<i>Clocks; Guest: Richard Bertrendis. Printed schedule listed "The Science of Musical Sound" for this date.</i>
35	What's That Bird	5/17/1951	Miller, Dr. Robert C. (CAS)	<i>Young Brush Rabbits</i>	"How to identify birds in field and wood."	
36	How to Make Money	5/24/1951	Gillin, George (SF Mint), George Parker (Fed. Res. Bank), and Lester B. Johnson	<i>Tropical Fishes</i>	"The story of currency from wooden nickels and wampum to coins and counterfeits."	
37	Before the White Man	5/31/1951	Smith, Dr. Marion (UC)	<i>Pika</i>	"The life of the earliest Americans as uncovered by anthropologists and archeologists."	
38	The Science of Musical Sound	6/7/1951	White, Dr. Harvey E. (UC)	<i>Coati Mundi</i>	"Experiments with musical scales and a variety of strings, wind and percussion instruments, and the human"	<i>Printed schedule listed "Measuring Time" for this date.</i>
39	Life in a Drop of Water	6/14/1951	Samuels, Robert (UC)	<i>Brown Pelican</i>	"Protozoology - the science of microscopic life - plants and animals."	
40	How and Why of Electricity	9/11/1951	White, Dr. Harvey (UC)	<i>Rhinoceros Viper</i>	"The science of one of man's most useful servants."	
41	Tropical Fishes	9/18/1951	Rakowicz, Maurice (CAS)	<i>Rosy Hummingbird</i>	"A kaleidoscope of aquatic animals from three continents."	
42	Sailing the Seven Seas	9/25/1951	Rodgers, Rear Admiral Bertram J. (USN), and Commander William S. Mailliard (USNR)	<i>Desert Tortoise</i>	"Navigation problems of pilots on land, on the sea, and in the air. Fleet Admiral Chester W. Nimitz, USN, and Rear Admiral Bertram J. Rodgers, USN, Guest Scientists."	
43	Gem Minerals	10/2/1951	Meader, W.E. (SF Public Schools) and Mary McNeill (SF Public Schools)	<i>Mountain Beaver</i>	"From Nature's storehouse to the hobbyinst's cutting and polishing wheel."	

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44	Insects of the Andes	10/9/1951	Ross, Dr. Edward S. (CAS)	<i>Toucan</i>	"An entomological expedition to the highlands of South America with Dr. Edward S. Ross, California Academy of Sciences, Guest Scientist."	
45	Earth's Companion	10/16/1951	Struve, Dr. Otto (UCB)	<i>Starry Flounder</i>	"The story of the moon, earth's nearest neighbor in space."	
46	Teeth, Tusks, and Fangs	10/23/1951	Taber, Dr. Loren B. (SF College of Physicians and Surgeons)	<i>Meadow Mouse</i>	"Functions and development of teeth in man and lower animals."	
47	Supersonic Flight	10/30/1951	DeFrance, Smith J. (Ames Laboratories, Moffet Field) and George Cooper (Ames)	<i>Hereford Steer</i>	"Newest scientific accomplishments in man's efforts to fly faster than the speed of sound."	
48	Conquest of Pain	11/6/1951	Cline, Dr. John W. (President, AMA) and Dr. John Cann (St. Francis Hospital)	<i>Pallid Bat</i>	"The development of modern anesthesia."	
49	Duck Hunting	11/13/1951	Orr, Dr. Robert T. (CAS)	<i>Gibbon</i>	"How science helps maintain one of man's favorite outdoor sports."	
50	What Makes the Engine Go?	11/20/1951	Woods, Dr. Baldwin M. (UC Vice President)	<i>Abalone, Starfish, Sea Urchin</i>	"The internal combustion machine from early engines to the modern motor car."	
51	Looking at Glass	11/27/1951	Thompson, T.J. (Corning Glass Works) and James Lynch (Naval Radiological Defense Lab)	<i>Shrew</i>	"Manufacture of precision, high-test glass. Glass blowing and bending demonstrated."	
52	Out of the Sea	12/4/1951	Miller, Dr. Robert C. (CAS)	<i>Boa Constrictor</i>	"Tracing the evolution of land animals."	
53	Nature's Building Blocks	12/11/1951	Furst, Dr. Arthur (SF State College/USF)	<i>Budgie</i>	"The fundamentals of chemistry demonstrated with laboratory experiments."	<i>Chemistry.</i>
54	Muscles	12/18/1951	Inman, Dr. Verne (UC Med School)	<i>Surgeon Fish</i>	"Science studies how to make muscles do a better job."	
55	Animal Homes and Families	12/25/1951	(none)	<i>Bactrian Camels</i>	"Host Narrator Tom Groody, will present a parade of well known animal families in their natural environments."	
56	The Eye	1/1/1952	Hogan, Dr. Michael J. (director of San Francisco Eye Bank; UC School of Medicine)	<i>Australian Long-Necked Turtles</i>	"The evolution of vision. How man and lower animals see."	
57	Wood Eaters	1/8/1952	Ross, Dr. Edward S. (CAS) and Leo R. Gardner (Calif. Spray Chemical Corp.)	<i>Goat Kid</i>	"The life cycle of termites, insects who live in darkness."	<i>Termites</i>
58	The Horse	1/15/1952	Sturton, Dr. Ruben A. (UC) and Robert W. Field (UC)	<i>Porcupine</i>	"From prehistoric times to modern blooded horses."	

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59	Vanishing Herds	1/22/1952	Draper, Benjamin (CAS)	<i>Mallard Duck</i>	"The story of the bison from pre-historic times to the days of Buffalo Bill."	<i>Originally scheduled for 2/12/1952</i>
60	Stellar Evolution	1/29/1952	Struve, Dr. Otto (UC)	<i>Praying Mantis</i>	"The story of continuous creation, the development of our universe."	
61	Thomas Alva Edison	2/5/1952	Harris, Ward (Ward Harris, Inc.)	<i>Young Pigeon</i>	"Historic working models of many of the important inventions of America's great scientist."	
62	Applied Research	2/12/1952	Hobson, Dr. Jesse E. (Stanford Research Inst.) and Dr. Milton Silverstein (SRI)	<i>Holstein Bull Calf</i>	"A trip to the Stanford Research Institute where pure and applied science are joined to make for better living."	<i>Originally scheduled for 1/22/1952</i>
63	Climatology	2/19/1952	Felton, E.L. (U.S. Weather Bureau)	<i>German Shepherd Puppies, Boxer Puppy</i>	"The study of man's adaptation to the climate in which he lives and works."	
64	The Egg	2/26/1952	Eakin, Dr. Richard M. (UC)	<i>Minah Bird</i>	"The study of enbryology - man's search to learn the secret of life."	
65	Birds of Prey	3/4/1952	Leopold, Dr. A. Starker (UC) and Kent Carnie (UC)	<i>Stickleback Fish</i>	"The balance of nature, an important factor in science, demonstrated in the life habits of predator birds."	
66	Forest Miracles	3/11/1952	Righter, F.I. (US Forest Service, Placerville, CA) and Dr. J.		"The young science of forst genetics and the development of new hybrid lunber trees for	<i>Forest Genetics</i>
67	Stream of Life	3/18/1952	Lucia, Dr. Salvatore P.		"A study of blood and its functions. How it is typed, the Rh. factor, and how plasma is saving human lives."	<i>Blood</i>
68	Squirrels and Chipmunks	3/25/1952	Storer, Dr. Tracy I. (UC) and Lloyd Tevis, Jr.		"The useful as well as interesting characteristics of these well known forest animals."	
69	Youth in Action	4/1/1952	Rice, Mr. Robert and students of Berkeley High School		"How the oncoming generation of young scientists, by doing, learn the fundamentals."	
70	Scales, Feathers, and Furs	4/8/1952	Orr, Dr. Robert T. (CAS)		"The development of the body coverings in animal life from the earliest known sharks to mutation mink."	
71	Photography	4/15/1952	White, Dr. Harvey E. (UC)		"Basic physical and chemical principles that serve both the scientist and hobbyist."	
72	Cosmic Rays	4/22/1952	Fretter, Dr. William B. (UC) and Dr. Robert R. Brown		"From their historic discovery to present day research. How this continuous bombardment from space is measured and its potential as a source of energy."	
73	Under the Microscope	4/29/1952	Needham, George H.		"The development of this invaluable research instrument from the reading glass to the super-powered electron microscope at Stanford Research Institute."	

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74	The Story of Wool	5/6/1952	Wilson, Dr. James F. (UC) and Mrs. J. W. Mailliard, Jr.		"Wool production from lambing time to manufacture. How man has helped Mother Nature improve this valuable	
75	The Mind's Eye	5/13/1952	Kelley, Dr. Douglas		"Basic facts about psychology. Understanding our minds and our behavior."	
76	Aerial Engineers	5/20/1952	Ross, Dr. Edward S. (CAS) and Hugh B. Leech		"The story of spiders and their webs - from the feared tarantula to the ingenious trap-door spider."	<i>Spiders</i>
77	Davy Jones' Locker	5/27/1952	Bolin, Dr. Rolf	<i>Slow Loris</i>	"The bottom of the sea, how it is explored and what science is finding."	<i>Printed schedule listed Dr. Robert C. Miller as Guest Scientist.</i>
78	Fishes - Fact and Fable	6/3/1952	(none)			<i>Printed schedule listed "Star Patterns" for this date.</i>
79	Powerful Poisons	9/9/1953	Halstead, Dr. Bruce (College of Medical Evangelists)	<i>Baby Ostrich</i>	"A close look at many animals that are bearers of venoms and poisons."	<i>Animal Venoms; Script titled "Deadly Enemies"</i>
80	Shocks, Tremors, and Faults	9/16/1952	Herrick, Charles (UCB) and John Farr (UCB)	<i>Chuckawalla (lizard), Spiny-Tailed Iguana, Horned Toad</i>	"The causes of earthquakes, how science locates their sources, and how intensities are measured."	<i>Earthquakes</i>
81	Mosquito-Man's Enemy	9/23/1952	Aarons, Theodore (Alameda County Mosquito Abatement Dist.) and Dr. Edward S. Ross	<i>Baby Soft-Shelled Turtles</i>	"The life cycle of pests that can cause epidemics and the never ending battle of control."	
82	Psychological Warfare	9/30/1952	Kelley, Dr. Douglas M. (UC)	<i>Talking Budgie</i>	"The how and why of propaganda - mass psychology technique. Dr. Douglas M. Kelley, psychiatrist and criminologist, University of California, Guest Scientist."	
83	400 Degrees Below Zero	10/7/1952	White, Dr. Harvey E. (UC) and Robert Bell (UC)	<i>Piranha</i>	"Research into low temperatures and experiments with liquid air."	<i>Liquid Air</i>
84	Monkeys, Chimps, and Gorillas	10/14/1952	Kelly, Dr. Joan Morton (San Diego Zoo) and Carey Baldwin (San Francisco Zoo)	<i>Chameleon</i>	"The intelligence, habits, and training of man's close relatives - Old and New World monkeys."	
85	The Air We Breathe	10/21/1952	Magill, Paul L. (Stanford Research Institute)	<i>Baby Mountain Lions</i>	"Scientists study problems of air pollution and modern living in urban areas."	
86	Stars Over San Francisco	10/28/1952	Bunton, George (CAS), Leon Salanave (CAS), and Frances Greebe (CAS)		Morrison Planetarium	<i>Printed schedule listed "This Plastic Age" for this date.</i>

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87	George Vanderbilt Expedition	11/4/1952	Vanderbilt, George, Dr. Robert R. Harry (Acad. of Nat. Sci. of Philadelphia) and Dr. John Briggs (Stanford)			<i>Printed schedule listed "Inter-tidal Animals" for this date.</i>
88	Glittering Gems	11/11/1952	Ehrmann, Martin L. and William Bartling		"The steps by which a precious possession, the diamond, changes from its rough state to fiery brilliance."	
89	Luther Burbank	11/18/1952	Rothert, Ernest (Santa Rosa Junior College) and Mrs. Luther Burbank		"Fifty years of horticultural progress in gardening and agriculture."	
90	Exploring Space	11/25/1952	Folsom, Dr. Richard G. (UC)		"Regions beyond the earth's atmosphere and man's efforts for get there."	
91	How We Walk	12/2/1952	Inman, Dr. Verne T. (UC Medical School)		"The ingenuity of a reasearch team applied to a phenomenon that most of us take for granted."	
92	This Plastic Age	12/9/1952	Rollins, Vernon D. (Monsanto Chemical Co.) and Marvin Kolber (San Mateo Junior College)		"Laboratory demonstrations of the plastic revolution which has brought new products to use, clothes to wear, and other changes in our everyday living pattern."	
93	Leonardo da Vinci	12/16/1952	Miller, Dr. Robert C. (CAS) and Dr. Roberto A. Guatelli (International Business Corp.)		"The story of history's most famous painter, architect, sculptor, engineer, mechanician, and scientist - told with models of his great inventions."	
94	Swamp Life	12/23/1952	(none)	<i>Baby Polar Bear</i>	"Dr. Earl S. Herald will show how crocodiles, alligators and countless other animals and plants adapt to their marshy environment."	
95	The Story of Salt	12/30/1952	Rosenstein, Dr. Ludwig (Leslie Salt Co.) and Joseph Buchen		"Sodium Chloride - a plentiful and common substance without which no animal life could exist."	
96	The Helicopter	1/6/1953	Hiller, Stanley, Jr. (Hiller Helicopters)		"A report of the latest developments in solving the age-old problem of controlled vertical flight."	
97	Rain-Making	1/13/1953	Church, Dr. Philip (University of Washington)	<i>Crayfish and Gastro-liths</i>	"Facts and fables about man's efforts to control a natural phenomenon."	
98	Keeping Animals Happy	1/20/1953	Baldwin, Carey (San Francisco Zoological Gardens)		"Keeping 1,000 animals healthy, happy and protected for scientific study and public enjoyment. Behind the scenes at San Francisco Zoological Gardens with Director Carey Baldwin, Guest Scientist."	
99	Bacteria, Good and Bad	1/27/1953	Fong, Dr. Jacob (UC)		"Dr. Jabob Fong, University of California, will demonstrate the life cycle of living bacteria with the aid of television-adapted microscopes."	

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100	Discovery of Plutonium	2/3/1953	Seaborg, Dr. Glenn T. (UC) and Al Ghiorso	<i>Seahorses</i>	"As told by one of its discoverers - Nobel Prize Winner - Dr. Glenn T. Seaborg, Univ. of California Radiation Laboratory, Berkeley."	
101	The World's Largest Telescope	2/10/1953	Merrill, Dr. Paul W. (Mount Wilson and Palomar Observatories)		"How they giant 200-ince Palomar instrument works and its place in astronomical research."	<i>Palomar</i>
102	Intertidal Animals	2/17/1953	Bolin, Dr. Rolf (Stanford)	<i>Indigo Snake</i>	"Invertebrates from deep waters, tidepools, and the seashore - their place in the evolutionary scale."	
103	Bridge Building	2/24/1953	Eberhart, Prof. Howard (UC)	<i>Gray Whale</i>	"The how of pontoon, suspension and cantilever bridges - from canoe crossings to the towering structures of	
104	How Ants Live	3/3/1953	Ross, Dr. Edward S. (CAS)	<i>Spotted Skunk</i>	"The complex community organization of ants - Nature's closest approach to human society."	
105	The Science of Measuring	3/10/1953	Skinner, O. C., Jr. (City and County of San Francisco)	<i>Llama</i>	"Development of standards in the metric and U. S. Systems of weights and measures."	
106	Via Radio Waves	3/17/1953	Austin, Harry E. (RCA Communications)	<i>Raccoon</i>	"The world grown smaller through international radio communications. Around the earth seven times a	
107	The Earth's Origin	3/24/1953	Urey, Dr. Harold C. (Nobel prize-winner, The University of	<i>Honolulu Flatfish</i>	"Newest scientific theories of how our planet and its satellite, the moon, were formed."	
108	Frogs, Toads, and Salamanders	3/31/1953	Stebbins, Dr. Robert C. (UC)	<i>Mountain Beaver</i>	"A look at live amphibious animals that are at home both in and out of the water."	
109	Furnaces of the Gods	4/7/1953	Williams, Dr. Howell	<i>Cooper Hawk</i>	"The phenomena of eruptions, lava flows, steam, and fire of volcanoes all over the world from Pompeii to	<i>Volcanos</i>
110	You CAN Win	4/14/1953	Kelley, Dr. Douglas M.	<i>Alligator Snappers</i>	"From old time card sharpers to psychology-wise confidence men. Douglas M. Kelley, M. D., exposes some tricks of their trade and how not to be taken in."	
111	Safety at Work	4/21/1953	Soule, Thomas	<i>Baby Polar Bear</i>	"How science solves the problems of continually safeguarding people. Practical demonstrations of the parallel advance of technology and worker welfare."	<i>Published schedule listed "Scourges of Mankind" for this</i>
112	High Altitude Survival	4/28/1953	Washburn, Dr. Bradford (Director, Boston Museum of	<i>2 Eskimo Huskies</i>	"Problems of igloo life at 18,000 feet on the slopes of Mt. McKinley."	
113	Winged Beauties	5/5/1953	Ross, Dr. Edward S. (CAS)	<i>Galapagos Tortoise</i>	"A close look at butterflies, monarchs of the insect world, from the why of the cocoon to the how of collecting."	<i>Butterflies</i>
114	Scourges of Mankind	5/12/1953	Meyer, Dr. Karl (Director, Hooper Foundation)	<i>Mountain Lion Cub</i>	"How modern science is eliminating chain infection epidemics through research and prevntive medicine."	<i>Epidemics</i>

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115	Fluids in Motion	5/19/1953	White, Dr. Harvey E. (UC)	<i>Marine Opossum</i>	"The behavior of wind, air, and water with physical demonstrations of Bernoulli's principle - from atomizers and aerodynamics to why a baseball curves."	
116	Rattlesnakes	5/26/1953	Klauber, Laurence M.	<i>Penguins</i>	"A safe look at the fangs, rattles, and venom of some of the New World's deadliest and most feared reptiles."	
117	Rare and Exotic Fishes	6/2/1953	Herald, Dr. Earl S. (CAS)	<i>Baby Bactrian Camel</i>	"Program Host, Dr. Earl S. Herald, presents a panorama of exceptional and seldom seen inhabitants of warm waters the world over." Black and white. Discusses 3 aspects of fish: Procurement of Food; Protection from enemies; Special Adaptations. Fish shown: Siamese fighting fish, Archer fish, Leaf fish, Mudskipper, Hatchet fish, African lungfish, Walking Perch, Oscars, New (not occurring in nature) Platys, Piranhas, Electric Eel. Also shows quick setup of fish tank, complete with plants to provide hiding places for fish.	
118	Gardens of the Sea	9/8/1953	Limbaugh, Conrad (Scripps Institute of Oceanography) and Dr. William McNeely (Kelco Company)	<i>Ostrich</i>	"The story of submarine harvesting in California's kelp industry. How algin, a little known food substance, plays a valuable role in food, drugs and industrial products."	
119	How Detergents Work	9/15/1953	Vesper, Howard G. (California Research Corporation)	<i>Skunk</i>	"A laboratory look at the physics and chemistry of one of science's newest developments in cleansing."	
120	The Planets	9/22/1953	Merrill, Dr. Paul W. (Mount Wilson and Palomar Observatories)	<i>Tree Frog</i>	"A closer look as the Earth's nine neighbors in our Solar System. How science measures temperature and other essential data about heavenly bodies."	
121	The Wheel	9/29/1953	Kays, Dr. William M. (Stanford University)	<i>Coatimundi</i>	"The development of the wheel and its profound effect on the course of civilization."	
122	Optical Illusions	10/6/1953	White, Dr. Harvey E. (UC)	<i>Chicken</i>	"How our eyes, among the most useful of all recording instruments, are often deceived. Demonstrations of errors in measurement, distance and other observations of the eye."	
123	Mystery of Dreams	10/13/1953	Kelley, Dr. Douglas M.	<i>Boas</i>	"Dr. Douglas M. Kelley, noted psychiatrist, explains the latest medical theories of dream interpretation. How dreams are brought about and the extent to which they can be accounted for in our daily lives."	
124	Discovery of the Virus	10/20/1953	Stanley, Dr. Wendell M.	<i>Duck</i>	"What medical science is learning about viruses in the never ending war against disease. How many viruses are at last visible with the aid of powerful new microscopes. Nobel prize-winner Dr. Wendell M. Stanley, Guest Scientist."	

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125	Nature-- Camouflage Expert	10/27/1953	Stebbins, Dr. Robert C. (UC)	<i>Guinea Pigs</i>	"Protective coloring and pattern among animals - a means of survival - demonstrated with strange fish, insects, mammals and other life forms from around the world." Black and white. Includes moth, fish and snakes.	
126	The Magic of Metals	11/3/1953	Porro, Emo D.	<i>Discus and Moorish Idol</i>	"Interesting laboratory demonstrations of the peculiar characteristics of such basic metals as gold, silver, copper, iron, lead and quicksilver."	
127	Animal Psychology	11/10/1953	Vetter, Dr. Roland F. (UC Davis)	<i>2-Tailed Lizard</i>	"Exploring the theory that animals have basic attitudes, can be trained to advantage, and are believed to have feelings and emotions. Demonstrations with dogs and other animals by Dr. Roland F. Vetter, University of California at Davis."	
128	Indian Culture	11/17/1953	Douglas, Dr. Frederic H. (Eric?) (Denver Art Museum)	<i>Sulphur-Crested Cockatoo</i>	"How Early American Indians lived, their legends and artistic accomplishments. How they devised clothing from resources of their environment."	
129	A Visit to Steinhart Aquarium	11/24/1953	Herald, Dr. Earl S. (CAS)	<i>Canaries</i>	"In a special direct telecast from this world-famous awuarium in Golden Gate Park, Dr. Earl S. Herald will take viewers on a 'behind-the-scenes' tour."	
130	Earth's Changing Surface	12/1/1953	Hinds, Dr. Norman E. A. (UC)	<i>Tiger Cub</i>	"The story of how mountains, valleys and the seas were formed and are continually changing. Elements of geology and the ages of the earth."	
131	Modern Wonder Drugs	12/8/1953	Pratt, Dr. Robertson (Associate Professor of Pharmacognosy,	<i>Hellbender (Salamander)</i>	"What science is learning in the never ending search for life saving antibiotics."	
132	What Time Is It?	12/15/1953	Bunton, George (Morrison Planetarium, CAS)	<i>Stonefish</i>	"The science of chronometry, a story of man's measuring time from stars, stone age calendars to the	
133	Backyard Safari	12/22/1953	Ross, Dr. Edward S. (CAS)	<i>Bobcat</i>	"Exploring the insect world that surrounds us."	
134	Fossil Detectives	12/29/1953	Savage, Dr. Donald E. (UC)	<i>Sturgeon</i>	"Reconstructing the past, tracing the intercontinental migrations of man and lower animals with fossil finds."	
135	The Submarine	1/5/1954	Nimitz, Fleet Admiral Chester W. and Vice Admiral Charles A. Lockwood	<i>Civet Cat</i>	"Undersea travel - from Ancient Greece to modern times - including a look at its atomic-energized future."	
136	Animals of the Night	1/12/1954	Orr, Dr. Robert T. (CAS)	<i>Golden Hamster</i>	"A look at interesting nocturnal creatures - that sleep by day - from hoot owls to fireflies."	
137	Sixty Centuries of Clay	1/19/1954	Sheets, Millard (Director of Art, Scripps and Clarement Colleges) and Richard Petterson	<i>Sea Lion</i>	"Tracing its impact on civilization - from neolithic pottery to turbo-jets."	

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138	Romance of Printing	1/26/1954	Hoffman, Karl	<i>King Crab</i>	"From the invention of moveable type, which opened new vistas of communication among peoples, to modern techniques."	
139	Improving on Nature	2/2/1954	Regnery, Dr. David (Stanford University)	<i>Iguana</i>	"The science of applied genetics and how it is used in the development of new and better kinds of plants and animals."	
140	The Heart/Know Your Heart	2/9/1997	Chamberlain, Dr. Francis L. and Dr. Earl Miller	<i>Toucan</i>	"Basic facts everyone should understand about the human heart and recent medical discoveries in cardiovascular research."	
141	Whales	2/16/1954	Orr, Dr. Robert T. (CAS)	<i>Porcupine</i>	"Fact and fiction about the largest living mammals in the animal kingdom and their fight for survival in the oceans of the world."	<i>Schedule listed Guest Scientist as Dr. Raymond Gilmore, US Fish and Wildlife Service - perhaps Dr. Orr was a last-minute replacement?</i>
142	Superstitions	2/23/1954	Kelley, Dr. Douglas M. (UC)	<i>2-Headed Australian Lizard</i>	"How and why people react to age-old superstitions, legends, omens and folklore."	
143	Radio Signals Via Meteors/ Space Communication	3/2/1954	Villard, Dr. O. G., Jr. (Stanford University)		"Eavesdropping on sounds from outer space and their possibilities as a tool for exploring the ionosphere."	
144	Miracle Materials	3/9/1954	Vesper, Howard G. (President, California Research Corp.) (Vice President, Standard Oil Co. of California)	<i>Mexican Jumping Beans</i>	"Howard Vesper, President, California Research Corp., will demonstrate new developments and uses in the field of synthetics and fibres from nylon to plastic fenders."	
145	Desert Life	3/16/1954	Orr, Dr. Robert T. (CAS)	<i>Nutria</i>	"How plants and animals adapt to rugged desert environments." Discusses four desert survival factors (temperature, water, food, alkalinity). Plants and animals shown include: cactus, yucca, snail, desert tortoise, chuckwalla, gila monster, Mexican beaded lizard, sidewinder, African horned viper, African monitor lizard, Gambel quail, mountain quail, sage grouse, roadrunner, hamster, kangaroo rat, spiny pocket mouse, and prairie dogs.	
146	The Flow of Heat	3/23/1954	White, Dr. Harvey E.	<i>Gopher</i>	"How heat is transferred and the steps involved - from fireplaces to radiant heating and the cooling curve of a cup of coffee."	
147	Radar Defense Screen	3/30/1954	Andrew, Brigadier General James W. (USAF)	<i>Hawk-Headed Parrot</i>	"The ceaseless search of the skies by electronic sentinels to protect us against enemies by air."	

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148	Story of the Alphabet	4/6/1954	Reynolds, Dr. Lloyd (Reed College)	<i>Condor</i>	"The evolution of written communication and how sound and word symbols have been developed since Stone Age man."	
149	X-Rays	4/13/1954	Kirkpatrick, Dr. Paul (Stanford)	<i>Baby Coyotes</i>	"The unique power of x-rays to reveal the otherwise invisible; practical applications - anatomy, crystal and alloy structures, and a look into the future of x-ray	
150	Food Safety	4/20/1954	Farber, Dr. Lionel		"The development of the modern science of pure food and health protection."	
151	The Science of Money	4/27/1954	Shaw, Dr. Edward S. (Stanford University)	<i>Baby Goat</i>	"The function of money in the modern world; its history from wampum to wooden nickels and greenbacks."	
152	Insect versus Insect	5/4/1954	Doutt, Dr. Richard L. (UC) and Dr. Edward S. Ross (CAS)	<i>Baby Mantiti Monkey</i>	"Dr. Edward S. Ross, California Academy of Sciences, and Dr. Richard L. Doutt, University of California, will show how many insect problems are combatted by present day scientists through predators." Includes discussion of insect population controls (Food; Living Space; Climate; Enemies; and Disease), economic entomology, the introduction of a pest's natural enemies to control the pest in a region. Mentions C.V. Riley, A. Koebele. (This only covers the first part of the film.)	
153	Rivers of Ice	5/11/1954	Hubbard, Father B. R., S. J. (Santa Clara University)	<i>Baby California Ground Squirrels</i>	"World-famed 'Glacier Priest,' Father B. R. Hubbard, S.J., Santa Clara University, will demonstrate the how of the powerful remnants of the Ice Age."	
154	Aero Medicine	5/18/1954	Lawrence, Dr. John (UC) and Dr. Cornelius Tobias and Captain William Orlob	<i>Angelfish and Babies</i>	"What science is learning in the conquest of space about the ability of the human body to withstand strains of high speed, pressures, and atmospheric conditions."	
155	Friendly Snakes	5/25/1954	Stebbins, Dr. Robert C. (UC)	<i>Matamatas</i>	"A better understanding of some of man's good friends in the balance of life."	
156	Ten-Legged Sea Dwellers	6/1/1954	Ripley, William Ellis (California Department of Fish and Game)	<i>Bantams</i>	"A close look at the biology and environment of marine exo-skeletal animals - lobsters, shrimps, prawns, crabs - and their importance as food."	
157	Sharks--Good and Bad	9/13/1954	Herald, Dr. Earl S. (CAS)	<i>Leopard Cubs</i>	"Dr. Herald will demonstrate the life cycle of these largest of fishes in the sea with live sharks of various kinds." "Dr. Earl S. Herald, program host, traces the biology of the world's largest fishes and their balance-of-life role in the sea."	
158	Drilling for Oil	9/20/1954	Vesper, Howard G. (President, California Research Corporation)	<i>Kinkajou</i>	"Howard Vesper, President, California Research Corporation, will demonstrate new scientific methods of oil extraction from both under sea and land."	

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159	Work, Energy & Power	9/27/1954	White, Dr. Harvey (UC)	<i>Orangutang</i>	"Demonstrations of the principles of physics involved in day-to-day mechanical devices and the whys of the laws of motion."	
160	Bee Behavior/Bee Keeping	10/4/1954	Doutt, Dr. Richard L. (UC) and Dr. J. E. Eckert (UC)	<i>Hyacinth Macaw</i>	"Dr. Richard L. Doutt, University of California entomologist, explains the problems and pleasures of bee culture and how scientists have improved both production and quality of honey." "The complex life cycle of these highly developed social insects; problems and pleasures of bee culture."	
161	Close-Up of Mars	10/11/1954	Bunton, George (Morrison Planetarium, CAS)		"What scientists have learned about the mysteries of the planet Mars which has been closer to Earth in 1954 than any other time in sixteen years."	
162	Wheels and Rails	10/18/1954	Houston, Stanley (Southern Pacific Co.)	<i>Barbary Ape</i>	"The interesting development of rails and roadbeds; the why of wheels, bearings, and friction; and the continuing research into better railroad equipment."	
163	Sleep	10/25/1954	Kelley, Dr. Douglas M. (UC)	<i>Box Crab</i>	"A doctor looks at 'sleep' - the natural suspension of consciousness and the mystery that has surrounded this phenomenon."	
164	Story of Painting	11/1/1954	Sheets, Millard, N. A. (Los Angeles County Art Institute)	<i>Box Crab</i>	"A famous artist reviews 20,000 years of man's urge to draw and paint - from cave decorations to modern art."	
165	Hook, Line & Science	11/8/1954	McKernan, Dr. Don and Dr. O. Elton Sette (U.S. Fish & Wildlife Service)	<i>African Chameleon</i>	"How scientists located vast new tuna fishing grounds in the Pacific and the unique methods by which the discovery was brought about."	
166	Digging Down Under	11/15/1954	Stirton, Dr. R. A. (UC)	<i>Long-Tailed Weasel</i>	"Recent paleontological discoveries that help fill a 125 million year gap in Australian fossil records. An armchair tour by the expedition's leader, Dr. R. A. Stirton, University of California."	
167	Tropical Medicine	11/22/1954	Stewart, Dr. Morris and Dr. Ralph Houlihan	<i>Gibbon</i>	"How new developments in micro-biology have helped scientists solve problems of difficult tropical diseases. Dr. Olympio da Fonseca, Institute Nacional de Pesquisas da Amazonia, Brazil, Guest Scientist."	
168	Controlled Explosions	11/29/1954	Poulter, Dr. Thomas C. (Stanford Research Institute)	<i>abalone</i>	"How scientists control energy produced by chemical explosions and put this knowledge to beneficial use."	
169	Photosynthesis - - Today and Tomorrow	12/6/1954	Calvin, Dr. Melvin (UC)	<i>striped skunk</i>	"What happens when green plants begin to manufacture food. How isotopic tracers are used in the study of photosynthesis."	
170	Work, Energy & Power	12/13/1954	White, Dr. Harvey E. (UC)	<i>snowshoe rabbit</i>	"Some of the basic principles of physics involved in commonplace mechanical devices and the shys of the laws of motion."	

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171	Sleep	12/20/1954	Kelley, Dr. Douglas (UC)	<i>sailor fish</i>	"A doctor looks as 'sleep' - the natural suspension of consciousness and the mystery that has surrounded this phenomenon."	
172	Cosmography	12/27/1954	Shapley, Dr. Harlow (Harvard University)	<i>Shetland pony</i>	"A new science concerned with the place of man in the universe in terms of time, space, matter, and energy."	
173	Desert Enemies	1/3/1955	Stahnke, Dr. Herbert L. (Arizona State College)	<i>baby turtles</i>	"Dr. Herbert L. Stahnke, Arizona State College, will demonstrate with living tarantulas, gila monsters, and scorpions, the defensive and offensive uses of animal poisons."	
174	Miracle of the Seed	1/10/1955	Corbett, L. W.	<i>hornbills</i>	"The fascinating story of seeds in the life cycle of plants. How new seeds are developed and used. Guest scientist from Northrup, King & Co."	
175	Termites	1/24/1955	Doutt, Dr. Richard L. (UC)	<i>siamese cat</i>	"Dr. Richard L. Doutt, University of California, will trace the life cycle of these social insects and demonstrate how science copes with the serious problems they	
176	Plants of Fairyland	1/24/1955	Orr, Dr. Robert T. (CAS)	<i>wooly monkey</i>	"A close look at mycology - the study of fungi. Fact and fiction about mushrooms, toadstools and their botanical relatives."	
177	Oxygen	1/31/1955	Wycoff, Dr. Charles C. (San Francisco General Hospital)	<i>possum</i>	"The life-giving element; its place in the world of plants and animals and its use in medical science."	
178	Religious Archeology	2/7/1955	Finegan, Dr. Jack (Pacific School of Religion)	<i>bears</i>	"How present-day scholars have discovered the origins of many of the beginnings of our rich heritage in religion."	
179	Transistors/ What's New in Electronics	2/14/1955	Christian, Dr. Schuyler	<i>Mexican donkey</i>	"The newest discoveries and inventions that are basic to present day living and industry in the field of electronics. Special Guest Scientists from the RCA David Sarnoff Laboratories, Princeton, NJ."	
180	Searching Tropical Seas	2/21/1955	Harry, Dr. Robert (George Vanderbilt Foundation, Stanford)	<i>trapdoor spider</i>	"How ichthyologists explore the tropical Pacific with speargun and camera."	
181	Architecture	2/28/1955	Wurster, William Wilson (UC)	<i>flying squirrels</i>	"The hows and whys of architecture demonstrated by Dr. William Wilson Wurster, University of California."	
182	Making Medicine	3/7/1955	Dean, Professor Stephan (UC) and Ralph R. Pletcher	<i>coyote</i>	"The exacting science of pharmacy with a review of the latest methods of preparing medicines."	
183	Feathers and Furs	3/14/1955	Orr, Dr. Robert T. (CAS)	<i>ocelot</i>	"Dr. Robert T. Orr, University of San Francisco and California Academy of Sciences, will demonstrate the development of body coverings in the animal world."	

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184	Trout Fishing	3/21/1955	Calhoun, Dr. Alexander	<i>Mexican fire-bellied squirrel</i>	"The modern science of fish hatcheries, game, fish, planting and good management of this important sport resource."	
185	Poultry Raising	3/28/1955	Stewart, Dr. George F. (UC Davis)	<i>prize steer</i>	"Recent advances in the science of poultry management and the problems of egg-laying and meat-producing poultry farms."	
186	The Third "R"	4/4/1955	Calhoun, Dr. Everett (Stanford Research Institute)	<i>praying mantis</i>	"The story of the science of numbers from the invention of zero to modern 'electronic brain' computing machines."	
187	Seashore Survival	4/11/1955	Bolin, Dr. Rolf (Stanford University)	<i>California sea lion</i>	"Dr. Rolf Bolin, Stanford University, will show how marine animals combat the forces of nature and compete with each other for food and survival."	
188	Identification	4/18/1955	Kelley, Dr. Douglas M.	<i>waltzing mice, white mice and rats, and hooded rats</i>	"The science of finding and cataloguing minute individual differences that set every person in the world apart from all others - fingerprints, hair, teeth, and other methods of identification."	
189	Food Research	4/25/1955	Somers, Dr. Ira I.	<i>Howler monkey</i>	"New scientific research and developments in the field of food processing and preservation, from fruit concentrates to atomic hamburgers."	
190	Valley of 10,000 Smokes	5/2/1955	Hubbard, Father Bernard J., S. J. (Santa Clara University)	<i>baby bactrian camel</i>	"Father Bernard J. Hubbard, S.J., Santa Clara University, returns with another of his exploration adventures in his story of the famous volcano valley of	
191	Cancer Research	5/9/1955	Stanley, Dr. Wendell (UC)	<i>baby bobcats</i>	"Dr. Wendell T. Stanley, University of California Nobel prize winning scientist, will show new research and laboratory developments in the fight against man's number one disease enemy."	
192	Solar Energy	5/16/1955	Pearson, Gerald L., Bell Telephone Laboratories	<i>raccoon</i>	"The work of the Bell Telephone Laboratories, Murray Hill, New Jersey in developing the new solar battery and recent study of the sun as a source of energy, heat and	
193	Andes Expedition	5/23/1955	Ross, Dr. Edward S. (CAS) and Mrs. Wilda Ross	<i>armadillos</i>	"Dr. Edward S. Ross, California Academy of Sciences' entomologist will bring specimens, movies, and pictures of his recent Guggenheim Fellowship research in the high mountains of South America." Includes discussion of getting to the Andes, camping, weather patterns/habitat regions of the Andes, jungle layers. Makes use of still photos from the expedition. Black and white.	1 film can holds 2 reels on film cores (neg?)
194	Bird Behavior	5/30/1955	Cogswell, Howard (Mills College)	<i>mudskipper</i>	"Ornithologist, Howard Cogswell, Mills College, with many live birds, will show bird family life, habit patterns, and other aspects of his recent research."	

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195	Science in Sports	6/6/1955	Nixon, Dr. John E., Stanford	<i>paca</i>	"How a knowledge of the laws of motion and other basic science principles helps athletes in basketball, golf, baseball, tennis and other games."	
196	Underwater Research	9/12/1955	Herald, Dr. Earl S. (CAS)			
197	Experimental Psychology	9/19/1955	Kelley, Dr. Douglas			
198	Animals on the Move	9/26/1955	Orr, Dr. Robert T. (CAS)	<i>electric and upside-down catfishes</i>		
199	Man on the Move	10/3/1955	Bates, Dr. Marston			
200	Uranium Hunting	10/10/1955	Christiansen, Dr. Francis W.			
201	Thunder and Lightning	10/17/1955	Smith, Charles Pennypacker			
202	Insects, Close Up	10/24/1955	Ross, Dr. Edward S. (CAS)			
203	Story of Glass	10/31/1955	Sheets, Millard, N. A.			
204	Language in Action	11/7/1955	Hayakawa, Dr. S. I., San Francisco State College			
205	The Egg	11/14/1955	DuShane, Dr. Graham			
206	The Science of Musical Sound	11/21/1955	White, Dr. Harvey E. (UC)			
207	Earth's Backbone	11/28/1955	Powers, Dr. Maurice			
208	Streams, Ponds, and Lakes	12/5/1955	Cope, Dr. Oliver B. (Utah Agricultural College)			
209	Allergies	12/12/1955	Deamer, Dr. William C. (UC Medical Center)		"What causes allergies, how they act, and methods of control."	
210	Customs of Christmas	12/19/1955	Herald, Dr. Earl S. (CAS)		"The interesting stories back of our Christmas traditions, legends, and animals."	
211	Ancient Chinese Culture	12/26/1955	Lee, Chingwah, Oriental Art Authority		"Thousand-year-old Asian inventions that have their counterparts in our modern world."	
212	The "Why" of Fishes	1/2/1956	Herald, Dr. Earl S. (CAS)		"Dr. Earl S. Herald will give the basic facts about fishes with live specimens collected from all parts of the world."	

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213	Alaskan Eskimos	1/9/1956	Hubbard, Father Bernard R., S.J. (Santa Clara University)		"The way of life of the Eskimo, one of the most self-sufficient but fast-disappearing people of the world."	
214	The Story of Paper	1/16/1956	Holzer, Dr. William (Crown Zellerbach Corp.)		"The source and manufacture of what is probably the most used material in the world."	
215	Hydrodynamics	1/23/1956	Schade, Dr. Henry (UC)		"The physical forces of liquids, and the problems of ship design and propulsion."	
216	University of California	1/30/1956	Sproul, Dr. Robert Gordon, UC			<i>Late addition - not on printed schedule</i>
217	The New Age of Light	2/6/1956	Hebb, Dr. Malcolm, General Electric Co.		"Light for illumination and its latest uses for information."	
218	Heraldry	2/13/1956	Reynolds, Prof. Lloyd, Reed College		"From its origin and historic uses in crests, seals, taboo signs and cattle brands, to modern trademarks and graphic symbols."	
219	Map Making	2/20/1956	Williams, Dr. Joseph E., Stanford	<i>20-inch alligator</i>	"From the maps of Columbus to today's complex aerial photo techniques."	
220	Animal Facts and Fiction	2/27/1956	Hayakawa, Dr. S. I., San Francisco State College		"The origin of popular myths and superstitions about animals and superstitions about animals and folklore."	
221	Electronics in Medicine	3/5/1956	Mackay, Dr. Stuart (UC)		"The electronic age at work in medical diagnosis and treatment."	
222	TV Today and Tomorrow	3/12/1956	See, Herald, KRON-TV		"A close look at the electronic processes that bring black and white and color TV to you. Harold See, pioneer radio and TV engineer, and General Manager, KRON-TV, Guest Scientist."	
223	New Horizons in Dentistry	3/19/1956	Winland, Dr. Frits and Chas. Scrivener, D.D.S.		"Up-to-the-minute developments in caries control and orthodontia demonstrated by Dr. Frits Winblad, San Francisco Medical Society; Dr. Charles Scrivener, University of California School of Dentistry; and Dr. Rodney Mathews, College of Physicians and Surgeons."	
224	The Age of Mammals	3/26/1956	Orr, Dr. Robert T. (CAS, University of San Francisco)		"Dr. Robert T. Orr, University of San Francisco and California Academy of Sciences mammalogist traces the development of mammals - from shrews to blue"	
225	Liquid Air	4/2/1956	White, Dr. Harvey E. (UC)		"The properties of 'frozen air' and how various scientific processes utilize this man-made phenomenon."	
226	1956 Science Fair	4/9/1956	Seaborg, Dr. Glenn T., UC, and Winners of Fair		"Special telecast featuring the youthful winners of the Northern California Science Fair with Nobel laureate Dr. Glenn T. Seaborg, University of California."	

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227	Space Communications	4/16/1956	Granger, Dr. John, Stanford Research Institute			<i>PRE-EMPT - finally aired 9/17/1956?</i>
228	Guided Missiles	4/23/1956	Ridenour, Dr. Louis H., Lockheed Aircraft Corp.			<i>PRE-EMPT - finally aired 5/14/1956?</i>
229	The Ear	4/30/1956	McNaught, Robert, M.D., Stanford		"Dr. Robert McNaught, Stanford Medical School, will demonstrate recent accomplishments in this important field of medicine."	
230	Aerial Engineers	5/7/1956	Ross, Dr. Edward S. (CAS)		"With new high speed photo techniques, Dr. Edward S. Ross, California Academy of Sciences photographer-entomologist, will show the life cycle of spiders - friends and foes."	
231	Guided Missiles	5/14/1956	Ridenour, Dr. Louis H. (Lockheed)		"Recent scientific advances in rocket research with Dr. Louis H. Ridenour, Director of Research of the Missiles Systems Division of the Lockheed Aircraft Corporation."	<i>This program was originally scheduled for 4/23/1956. Listed in the schedule for this date was "Magic Ribbon"</i>
232	Magic Ribbon	5/21/1956	Selsted, Dr. Walter and George Long, Ampex Corp.		"The little known story of magnetic tape as told by special guest, George Long, President, Ampex"	<i>This program was originally scheduled for 5/15/1956. Listed in the schedule for this date was "Reptiles."</i>
233	The Story of Cheese	5/28/1956	Jack, Dr. Eugene L. and Clement A. Philips, UC Davis		"World-wide accomplishments in cheese-making from the earliest leather saddlebags to the modern factory."	
234	Hunting Head-Hunters	6/4/1956	Murphy, Dr. Robert (UC)		"University of California anthropologist Robert Murphy will show his research and describe travels into the land of Mundurucu tribe - the South American head-hunters."	
235	Reptiles	6/11/1956	Shaw, Charles		"Zoologist Charles Shaw will bring a carload of living reptiles of the world from the San Diego Zoo to tell the story of their life patterns."	<i>This program was originally scheduled for 5/21/1956.</i>
236	Space Communications	9/17/1956	Granger, Dr. John, Stanford Research Institute		"New challenges in the science of communicating posed by faster-than-sound planes, rockets and space ships."	
237	The Magic of Crystals	9/24/1956	Holloman, Dr. John (General Electric Research Laboratory) and Prof. Charles Frank (University of Bristol, England)		"A clear look at the study of crystallography and its special role in metallurgical processes."	

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238	Jet Age Intelligence	10/1/1956	Puckett, Dr. A. E., Hughes Aircraft Co.		"How our scientists have developed electronic eyes, ears and a brain for the new jet planes - keystones of the nation's defense."	
239	Treasure Islands of Science	10/8/1956	Bowman, Dr. Robert (San Francisco State College)		"A TV trip to the 'enchanted' Galapagos Islands where for many plants and animals time has stood still."	
240	Oil Detectives	10/15/1956	Hull, Dr. Don (California Research Corporation), A. H. Batchelder and Harry Sello		"The use of radio-active tracers and other headline-making developments in the petroleum industry."	
241	The Story of Cosmetics	10/22/1956	Cavins, Dr. Gertrude, San Jose State College		"Dr. Gertrude Cavins, San Jose State College, demonstrates the fascinating history and development of the science of cosmetics."	
242	The New Submarine Era	10/29/1956	Redman, Rear Admiral John R. and Commanders William Heronemus and Edwin Kinter		"An authoritative look at our Navy's guided missile and atom-powered submarines."	
243	Bugs and Bites	11/5/1956	Usinger, Dr. Robert (UC)		"An entomologist takes a look at Hemiptera, the only true 'bugs' of the insect world - their role in nature and disease transmission."	
244	Fresh Water From the Sea	11/12/1956	Howe, Dr. Everett D. (UC)		"A newsworthy report on utilizing the oceans of the world for one of life's primary necessities."	
245	The Power of Sight	11/19/1956	Stoddard, Dean K. D. (UC)		"Dean K.D. Stoddard, University of California School of Optometry, explores the mechanism of the eye and conditions that affect our vision."	
246	Highways of Tomorrow	11/26/1956	Sinclair, J. P. and V. O. Smith?? OR Booker, B. W. (Assistant State Highway Engineer, California State Division of Highways)		"How surface roadways being built today must anticipate the traffic and speed problems of the automotive future."	
247	The Jet Stream	12/3/1956	Serbreny, Sidney, Pan American World Airways		"How fast-moving, ultra high altitude air currents have revolutionized air travel as told by one of the discoverers of the jet stream, meteorologist Sidney Serbreny, Pan American World Airways."	
248	Mushrooms and Toadstools	12/10/1956	Orr, Dr. Robert T. (CAS)			<i>Fall 1956 schedule listed "Nuclear Research" with guest scientist Dr. Luis W. Alvarez, UC Radiation Laboratory for this date. Not actually filmed?!</i>

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249	Magic and Science	12/17/1956	Kelley, Dr. Douglas M.			
250	Customs of Christmas	12/24/1956	Herald, Dr. Earl S. (CAS) and Miss Dorothy Franklin			
251	The Calendar	12/31/1956	Copeland, Father Ray, S.J. and John Hoeck, University of San Francisco			
252	Bee Detectives	1/7/1957	Ross, Dr. Edward S. (CAS) and Dr. G. E. Bohart (CAS)			
253	Key to Health	1/14/1957	Chamberlain, F. L., M.D.			
254	Life in a Test Tube	1/21/1957	Stanley, Wendell M., M.D.			
255	Design in Nature	1/28/1957	Sheets, Millard, N.A.			
256	Telephony 1957	2/4/1957	Frey, Richard C.			
257	Wizard of Menlo Park	2/11/1957	Harris, Ward			
258	Precious Gems	2/18/1957	Ehrmann, Martin			
259	Magnetism	2/25/1957	Kip, Dr. Arthur			
260	The Art of Weaving	3/4/1957	Miller, Lea P., UC			
261	Monkeys and Chimps	3/11/1957	Orr, Dr. Robert T. (CAS) and Carey Baldwin	<i>hoopoe</i>		
262	Fire Fighting	3/18/2005	Murray, Chief William F., and Chief Clarence G. Rosenstock			<i>Captain Alexander Potter</i>
263	Frauds and Forgeries	3/25/1957	Kirk, Dr. Paul and D. M. Davenport			
264	Plant Pathology	4/1/1957	Oswald, Dr. John W.			
265	1957 Science Fair	4/8/1957	Stanley, Wendell, M. D., Robert Rice, Harry Kanuck and winners of fair			
266	Thermo-Electricity	4/15/1957	Lindenblad, Nils			
267	Power Magic	4/22/1957	Nutting, Willard and Barry Cooke			

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268	The Brain	4/29/1957	Cross, Dr. Glen O., UC Medical Center			
269	Earth Satellite	5/6/1957	Fortune, Capt. C. W.			
270	Locks and Keys	5/13/1957	Kendrick, Marron and Ernest Schlage			
271	The Deep Pacific	5/20/1957	Ravelle, Dr. Roger, Scripps Inst. of Oceanography			
272	Dermatology	5/27/1957	Farber, Dr. Eugene M., Roderick Sage, Rolf Johnson and Anthony Moreci			
273	Snakes and Lizards	6/3/1957	Shaw, Charles			
274	Vertical Flight	6/10/1957	Caldwell, LCDR Jack and David Schnebly, USN			
275	World of Insects	9/16/1957	Doutt, Dr. Richard, UC	<i>snakes</i>		
276	Man-Made Elements	9/23/1957	Seaborg, Dr. Glenn, UC, Nobel Laureate			
277	From Seed to Table	9/30/1957	Mrak, Dr. Emil and Dr. Claron Hesse, UC			
278	Refrigeration and Geysers	10/7/1957	White, Dr. Harvey			
279	Ceramic Engineering	10/14/1957	Stookey, Dr. S. D., Dr. Joseph Pask and Dr. Richard Fulrath			
280	Pharmacognosy	10/21/1957	Pratt, Dr. Robertson			
281	Voices Beneath the Sea	10/28/1957	Kertz, Hubert L.			
282	Salute to Medicine	11/4/1957	Alway, Dr. Robert, Dr. Fred Eldridge and Dr. Ayram Goldstein, STAN			
283	The Sun	11/11/1957	Roberts, Dr. Walter Orr, University of Colorado			
284	Modern Firearms	11/18/1957	Burke, Webb			

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285	The Human Voice	11/25/1957	Sooy, Dr. Francis and Dr. Richard Flower, UC Medical		<i>talking Mynah birds</i>	
286	Jewels of the Sea	12/2/1957	Herald, Dr. Earl S. (CAS)			
287	Bricks from Sea Water	12/9/1957	Kaiser, Henry J. Jr., and Dr. James Hicks			
288	Spinning in Space	12/16/1957	Bodian, Leo			
289	Christmas Symbols	12/23/1957	Herald, Dr. and Mrs. Earl S. (CAS)			
290	Drake in California	12/30/1957	Nimitz, Fleet Admiral Chester W., Captain Adolph Oko, and Ray	<i>South American grison (weasel)</i>		
291	Liquid Air	1/6/1958	White, Dr. Harvey (UC)			
292	Living in Outer Space	1/13/1958	Pace, Dr. Nello (UC)			
293	Nature Photography	1/20/1958	Roberts, Dr. Tilden			
294	Modern Heart Surgery	1/27/1958	Melrose, Dr. Dennis and Dr. Francis L. Chamberlain			
295	Miniaturization	2/3/1958	Rubel, John and James Goodykoontz, Hughes Aircraft			
296	Tailor-Made Metals	2/10/1958	Holloman, Dr. John, General Electric Labs.			
297	The Human Machine	2/17/1958	White, Dr. Harvey (UC)			
298	Radiology	2/24/1958	Abrams, Dr. Herbert L., STAN			
299	Space Report: 1958	3/3/1958	Folsom, Dr. Richard M., University of Michigan			
300	Learning Electronics	3/10/1958	Stollberg, Dr. Robert			
301	IGY Arctic Report	3/17/1958	Wiggins, Dr. Ira			
302	Atom Smashers	3/24/1958	Judd, Dr. David L.			
303	32 Hours in Space	3/31/1958	Simons, Major David			
304	Re-Entry	4/7/1958	Eggers, Dr. Alfred J.			

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305	1958 Science Fair	4/14/1958	Shockley, Dr. W. and winners of Fair.			
306	Low Temperature Research	4/21/1958	Smith, Alan			
307	Pediatrics	4/28/1958	Alway, Robert, M.D			
308	Astronomy Tomorrow	5/5/1958	Struve, Dr. Otto			
309	Taming the H-Bomb	5/12/1958	Post, Dr. Richard			
310	How to Write	5/19/1958	Reynolds, Professor Lloyd			
311	Giant Snakes	5/26/1958	Shaw, Charles			
312	Piscatorial Adventure	6/2/1958	Herald, Dr. Earl S. (CAS)			
313	Jungle Medicine	6/9/1958	Work, Dr. Telford			
314	Rocket Report	9/15/1958	Ridenour, Dr. Louis (Lockheed Guided Missile Systems)		"Dr. Louis Ridenour, Lockheed Guided Missile Systems research director, will demonstrate how scientists are solving problems and hazards of space travel."	
315	Our Hungry Soil	9/22/1958	Bahme, Dr. Richard (National Plant Food Institute)		"How modern science is attacking the task of replenishing the good earth with man-made plant foods."	
316	A New Look at Sight	9/29/1958	Jampolsky, Dr. Arthur (Stanford University)		"Modern methods of solving the problems of defective vision in children."	
317	The Ranger	10/6/1958	Buie, Commander P. D.		"The world's largest ship, the 76,000-ton aircraft carrier U.S.S. Ranger which was recently assigned to the Pacific, will be examined as an amazing example of scientific ship design and as a self-contained unit - 'a floating city' of 3,500 persons."	
318	Future Atom Smashers	10/13/1958	Judd, Dr. David (UC Radiation Laboratory)		"Dr. David Judd, University of California Radiation Laboratory returns from a summer at Brookhaven Center, New York, with a report on recent advances in atomic research."	
319	Electronic Challenge	10/20/1958	Begovich, Dr. Nicholas (Hughes Aircraft Company)	<i>South American grison (weasel)</i>	"How a brand new invention, the electronic radar sweep, will provide round-the-clock warning and protection for the country's boundaries and seacoasts."	

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320	Radio Isotopes	10/27/1958	Gevantman, Dr. L. H. (San Francisco Navy Yard Radiation Laboratory)		"Radio-active materials, kept under leash by atomic age knowledge, are proving among the most valuable tools for medical and industrial research."	
321	Neurosurgery	11/3/1958	Walker, Dr. N. Earl (Johns Hopkins Medical School)		"N. Earl Walker, M. D., Johns Hopkins Medical School, Baltimore, demonstrates advances and recently-developed techniques in this field of medical	
322	Freeways of the Sky	11/10/1958	MacCracken, Miss V.	<i>Atlantic horseshoe crab</i>	"The speed and complexity of the jet age brings traffic problems to the airways. Demonstrations and explanations by Civil Aeronautics Administration personnel on procedures and problems of air traffic	
323	Destination Moon	11/17/1958	Struve, Dr. Otto, UC		"What the first visitor to Earth's nearest neighbor can expect to encounter. How science is adding to man's knowledge of the surface of the moon, as told by one of the world's greatest living astronomers, Dr. Otto Struve."	
324	Spices	11/24/1958	Finnell, Mr. Charles, McCormick and Co.		"Centuries ago man's search for spices changed empires and set the pattern for trade and exploration. In modern times supplying condiments and seasonings for the culinary arts has become a science."	
325	African High-Lights	12/1/1958	Ross, Dr. Edward S. (CAS)		"Dr. Edward S. Ross, world-ranging curator of entomology of the California Academy of Sciences, describes his 13-month, 26,000-mile expediton into	
326	Story of Cortisone	12/8/1958	Pfister, Dr. Karl and Dr. Jacob Van de Kamp		"The research and development of new pharmaceuticals and their place in the advance of medicine. Research scientist from Merck, Sharp & Dohme Laboratories, Philadelphia."	
327	Miracle of Growth	12/15/1958	Orr, Dr. Robert T. (CAS, Univ. of San Francisco)		"Dr. Robert T. Orr, University of San Francisco and California Academy of Sciences demonstrates the growth cycles of cells, seeds and spores in the plant and animal kingdoms."	
328	New Dental Advances	12/22/1958	Agnew, Gordon, D.D.S. (UC)		"Demonstrations of newsworthy new dental techniques by Doctors Charles Scrivener, Gordon Agnew, Edward Lattig, and Theodore Lee, San Francisco Dental Society."	
329	Anesthesiology	12/29/1958	Cullen, Stuart C., M.D. (UC)		"Stuart C. Cullen, M.D., University of California Medical Center explains new discoveries in the changing field of anesthesia."	
330	Monsters of the Deep	1/5/1959	Herald, Dr. Earl S. (CAS)		"Dr. Earl S. Herald at his best with both fact and fiction about a variety of sea creatures from sting rays to giant man-eating sharks."	

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331	Man-Made Crystals	1/12/1959	Bond, Dr. W. L. (Bell Telephone Lab.)	<i>Rocky Mountain marmot</i>	"Artificial quartz crystals and their use in land, sea and air communication."	
332	Hormones	1/19/1959	Li, Dr. C. H. (UC)		"A report of new progress in understanding the role of messenger-like secretions in the human body."	
333	Criminology Lab	1/26/1959	Kirk, Dr. Paul C. (UC)	<i>chimpanzee</i>	"Dr. Paul C. Kirk, University of California School of Criminology, shows the latest scientific detective procedures in crime solution."	
334	The Radio Telescope	2/2/1959	Villard, Dr. O. G. and R. Bracewell, Stanford University		"How man explores the universi with aid of the newest space-scanning instruments."	
335	Argonne Cancer Research	2/9/1959	Jacobson, Dr. Leon (University of Chicago)		"New medical discoveries about man's number one killer. Leon Jacobson, M.D., Director of The University of Chicago's famed cancer research hospital, Guest Scientist."	
336	Space Ship Architecture	2/16/1959	Ehricke, Krafft (General Dynamics Corp.)	<i>coatimundi</i>	"World rocket authority, Dr. Krafft Ehricke, General Dynamics Corporation, reviews present and predicts future developments in vehicle design for space	
337	Engineering for Tomorrow	2/23/1959	Tudor, Ralph (Tudor Engineering Co.)		"Ralph Tudor, consulting engineer and former Under Secretary of the Interior reports on new design advances in the growing field of structural engineering."	
338	Space Data	3/2/1959	Bennett, Dr. R. R. and Franki Van der Wal, Space Technology		"The story of how our Air Force data processing center at Inglewood, California, receives, processes and evaluates scientific information telemetered from space	
339	Jet Age Science	3/9/1959	Fisher, Brig. Gen. Richard (Pan American World Airways)		"The new revolution in air travel; how it has been accomplished and how it is shrinking global distances. Special guiests from Pan American World Airways."	
340	World of Insects	3/16/1959	Ross, Dr. Edward S. (CAS)		"Three-fourths of all living animals are insects. The life cycles, habits, and taxonomy of these interesting creatures demonstrated by Dr. Edward S. Ross, California Academy of Sciences."	
341	Dead Sea Scrolls	3/23/1959	Finegan, Dr. Jack (Pacific School of Religion)	<i>Brahma bull</i>	"One of the greatest archeological finds in the history of the Christian era will be explained by Dr. Jack Finegan, Pacific School of Religion."	
342	Monkeys and Dentistry	3/30/1959	Agnew, R. Gordon, D.D.S. (UC)	<i>goldfishes</i>	"How friendly animals are helping science solve the difficult problems of dental transplants."	
343	Peacetime Nuclear Experiments/Nuclear Explosions	4/6/1959	Johnson, Dr. Gerald and Dr. Harold Brown, UC Livermore Radiation Lab.	<i>dove</i>	"How the world's most destructive energy is being used to enrich our economy."	

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344	Story of the Piano	4/13/1959	Steinway, Theodore (Steinway Piano Co.)	<i>Rhodesian ridgeback</i>	"Theodore Steinway, fifth generation member of the famed piano firm, demonstrates the science of musical sound production on this complex instrument."	
345	Earthquakes	4/20/1959	Byerley, Dr. Perry (UC)		"Dr. Perry Byerly, famed University of California seismologist, demonstrates location, measurement, and study of these catastrophic phenomena."	
346	1959 Science Fair	4/27/1959	Winners		"Winners in the Bay Area Fifth Annual Science Fair will demonstrate their blue ribbon projects."	
347	Medical Uses of Hypnosis	5/4/1959	Check, David B., M.D. (Mt. Zion Hospital)	<i>tmandu (anteater)</i>	"One of the newest techniques in anesthesia and healing will be demonstrated by David S. Cheek, M.D., Mt. Zion and Children's Hospitals."	
348	Art Detectives	5/11/1959	Rusk, Henry and Thomas Carr		"The romance of restoration and identification of art treasures. Henry Rusk, expert for the M. H. De Young Museum, and the California Palace of the Legion of Honor, Guest Scientist."	
349	The Polaris	5/18/1959	Hawkins, Willis (Lockheed Aircraft Corp.)		"America's newest and swiftest defense missile will be demonstrated."	
350	Romance of Gold	5/25/1959	Mclaughlin, Dr. Donald (Homestake Mining Co.)		"The precious possession of empires of old and the basis for our modern economy. How it is mined and	
351	Blood Research	6/1/1959	Aggeler, Paul M., M.D. (UC Medical Center and Children's Hospital)	<i>skunk</i>	"Medical science's new discoveries in this important field of specialization."	
352	African Big Game	6/8/1959	Longhurst, William (Fullbright fellow) and Dr. Donald Frye		"The elephant, hippopotamus, and rhinoceros in a changing modern world. Herd management, grazing, and food problems."	
353	Science Milestones	9/14/1959	White, Dr. Harvey E. (UC)		"Dr. Harvey E. White, University of California physicist, returns to 'Science in Action' from a year on NBC's famed 'Continental Classroom,' to demonstrate historic discoveries on which modern science is built."	
354	High Blood Pressure	9/21/1959	Chamberlain, Francis L., President of American Heart Association	<i>bloodhound</i>	"President of the American Heart Association, Francis L. Chamberlain, M. D., reports the latest progress in the fight against hypertension."	
355	Earth's Radiation Belt	9/28/1959	White, Dr. R. Steven & Dr. Stanley Freden, Lawrence Radiation Laboratory, UC		"What man, in his penetration of space, is finding out about the dangerous high energy zone that surrounds our	

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356	Long Lines to Hawaii	10/5/1959	Herald, Dr. Earl (CAS)		"Dr. Earl Herald flies to the 50th State for a special telecast from Honolulu with the Hawaiian Telephone Company demonstrating the remarkable story of the trans-Pacific cable."	
357	New Concepts in Architecture	10/12/1959	Owings, Nathaniel A. 9		"Nathaniel A. Owings, F. A. I. A., Skidmore, Owings & Merrill, shows striking new examples of metropolitan architecture in a special tour of the Crown Zellerbach project in downtown San Francisco."	
358	Keeping an Eye on Earth	10/19/1959	Talley, Dr. Robert M., Santa Barbara Research Center of Hughes Aircraft Company	<i>chimpanzee</i>	"Invisible infrared rays that take pictures in the dark, detect aircraft, and monitor the earth from a satellite."	<i>Infrared Research</i>
359	Science of Ceramics	10/26/1959	Welterlen, James D., Gladding, McBean & Company, Los		"Pottery, one of man's oldest crafts, takes its place in the race to space. Research and progress in clay	
360	Polynesian Culture	11/2/1959	Spoehr, Dr. Alexander, Director, Bishop Museum		"Ancient rites, superstitions, and customs of these remarkable people of the Pacific. Special VTR telecast from Hawaii."	
361	The Panama Canal	11/9/1959	Tudor, Ralph, President Tudor Engineering Co. and member of the board of the Panama Canal Company		"Life-lines of the Western World and their place in the American economy. The past, present and future of one of the great engineering marvels of all times."	
362	Miracle of Color TV	11/16/1959	Special Guest from RCA Color Television		"Remarkable demonstrations of the science of optics, light, and electronics that combine to make possible color television, major science accomplishment of communications. Telecast in full color with special guest from RCA Color Television."	
363	Diet and Digestion	11/23/1959	Harper, Dr. Harold A. (UC)	<i>mountain lion</i>	"How the body utilizes food intake. Proper kinds of food for maximum health and energy."	
364	Mathematics of Space	11/30/1959	Teller, Dr. Edward (UC)		"Famed scientist, Dr. Edward Teller, director of the Lawrence Radiation Laboratory of the University of California, in a vivid presentation of time, space, and distance."	
365	Lung Surgery	12/7/1959	Rowe, Dr. Benson (UC)	<i>Rupicota rupicota</i>	"Dr. Benson Rowe, University of California Medical Center, demonstrates new techniques and equipment in diagnosis and treatment of the chest."	
366	Sir Isaac Newton	12/14/1959	White, Dr. Harvey (UC)		"How four historic conclusions of this great man have become basic laws of science and engineering."	
367	Darwin's Influence	12/21/1959	Orr, Dr. Robert T. (CAS)		"Special program saluting the centennial of 'The Origin of Species.' How this monumental work fits into our modern wonder world of plants and animals."	

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368	The Modern Alphabet	12/28/1959	Reynolds, Lloyd		"How writing developed, all the way from cave paintings to contemporary cursive script. Noted calligrapher Lloyd Reynolds, Reed College, Portland, Special Guest."	
369	Electron Microscope	1/4/1960	Williams, Dr. Robley (UC)		"Dr. Robley Williams, University of California Virus Laboratory, demonstrates the importance of this great research tool and shows miraculous pictures of some of the smallest substances and structures in the world."	
370	Cosmic Ray Report	1/11/1960	Fretter, Dr. William and Dr. Robert Brown, UC		"Recent new discoveries about the mysterious particles that continually shower the earth's surface."	
371	Smog	1/18/1960	Linsky, Benjamin, Bay Area Air Pollution Control District		"A graphic presentation of a newsworthy break-through in one of the major problems of metropolitan areas."	
372	The Story of Jade	1/25/1960	Gump, Richard (President, Gump's, San Francisco)		"The precious stone of the Orient in legend, history, science, and art."	
373	Age of Vertical Flight	2/1/1960	Hiller, Stanley Jr.		"Famous young aviation authority, Stanley Hiller, Jr., demonstrates the newest accomplishments in air transport and their promise for future development."	
374	Anti-Matter	2/8/1960	Segre, Dr. Emilio, UC		"Co-winner of the 1959 Nobel Prize in Physics, Dr. Emilio Segre, University of California Radiation Laboratory, describes how the search for balance in nature led to the discovery of anti-protons."	
375	How Medicines Work	2/15/1960	Goldstein, Avram, M. D., Stanford School of Medicine		"Avram Goldstein, M.D., Stanford School of Medicine, demonstrates how medical researchers discover how drugs act on the human body."	
376	Poisons in Nature	2/8/1960	Halstead, Bruce, M. D., Director, World Life Institute, Colton, California		"How science, through study and application, is finding increasing use for venoms and other poisonous substances."	
377	Your Eyes and You	2/29/1960	Jampolsky, Arthur, M. D.		"What we need to know about one of our most precious possessions, sight. Arthur Jampolsky, M.D., demonstrates how most effective use and comfort can	
378	Nuclear Rockets	3/7/1960	Merkle, Dr. Theodore C., Livermore Branch, Lawrence Radiation Laboratory		"Research in rocket design and what we can expect and cannot expect from different kinds of rockets."	
379	The Chair	3/14/1960	Eames, Charles, Designer	<i>Australian terriers</i>	"Noted contemporary designer Charles Eames demonstrates how man makes a chair to meet his	
380	The New Age of Glaciers	3/21/1960	Hubbard, Father Bernard, S.J. Santa Clara University		"Father Bernard Hubbard, S. J., Santa Clara University, world-famous 'Glacier Priest' will demonstrate the saga of the great rivers of ice and how they shape the earth's surface. A special look at the proposed Bering Sea dam."	

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381	New Pediatrics	3/28/1960	Piel, John, M. D., Children's Hospital, San Francisco		"The science of maintaining a child's health - pre-natal care, preventive medicine, and common sense in the medical aspects of growing up."	
382	1960 Science Fair	4/4/1960	Winners		"'Science in Action' is again honored to salute the winners of the Seventh Annual Bay Area Science Fair."	
383	Heat Transfer	4/11/1960	White, Dr. Harvey E. (UC)		"Dr. Harvey E. White, Director of the new Lawrence Hall of Science, University of California, demonstrates important physics principles involved in the flow of heat."	
384	Madagascar Expedition	4/18/1960	Ross, Dr. Edward S. (CAS)		"Noted entomologist, Dr. Edward S. Ross, California Academy of Sciences, reports on his recent expedition to this fascinating subcontinent."	<i>Transferred to VHS and BetaCamSP 6/98</i>
385	Space Age Research	4/25/1960	Guest Scientists, Aerojet-General Corp., Sacramento		"The challenge of extreme high heat and low temperatures, metals for engine parts, and other complex requirements of space vehicles."	
386	Computers	5/2/1960	Teller, Dr. Edward (Lawrence Radiation Laboratory) and Dr. Sidney Fernbach		"Famed scientist Dr. Edward Teller, director Livermore branch, Lawrence Radiation Laboratory and Dr. Sidney Fernbach, will give on the spot demonstrations of one of the latest tools of science, electronic computers."	
387	Fuels for Space	5/9/1960	Seifert, Dr. Howard S. (United Technology Corp., President of American Rocket Society)		"What scientists are learning about propellants for space engines."	
388	Modern Food Science	5/16/1960	Wakefield, Dr. Ray W., Research Director Gerber		"Dr. Ray B. Wakefield, President Institute of Food Technologists and Research Director, Gerber Products, will demonstrate newest techniques in providing more convenient and more nourishing food products."	
389	Man-Made Maladies	5/23/1960	Audy, Dr. J. Ralph, Director, Hooper Foundation		"The story of epidemics and infection; the problems man creates for himself in opening new areas."	
390	Radiation Detectors	5/30/1960	Clark, Dr. John (Hughes Aircraft Corp.)		"Dr. John Clark, Hughes Aircraft Corporation, explains the structure and use of the new 'Alpha Cigar,' a miniature radiation detector, battery, and amplifier"	
391	Strategic Air Command	6/6/1960	Special Guests, Nation's air command, Omaha		"Special guests will be flown in from the nation's air command center at Omaha to demonstrate the country's defenses against missile war and surprise attack."	
392	Soft Lunar Landings	9/12/1960	Adler, Dr, Fred (Hughes Aircraft Company)	<i>baby South American llama</i>	"The story of America's newest project - landing an instrumented rocket on the surface of the moon."	
393	Forest Science/Modern Forest Management	9/19/1960	Grundman, Robert (Union Lumber Company)		"How science is solving problems of forest conservation, pest control, re-planting, and combatting of the forests' greatest enemy - fire."	

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394	The Story of NORAD	9/26/1960	Kuter, Gen. Laurence S., North American Air Defense		"North American Air Defense Command - its fighting men, its superb equipment, and its round-the-clock alert. General of the Air Force Laurence Kuter, Guest Scientist. Special guests - winners of the Hughes Trophy, the top squadron of all Air Force activities."	
395	New Techniques in Brain Surgery	10/3/1960	Cross, Dr. Glenn O.	<i>tarantulas</i>	"Dr. Glenn O. Cross, neurosurgeon, will demonstrate two new surgical procedures that correct congenital brain damage. Operation film sequences, St. Joseph's	
396	Friction	10/10/1960	White, Dr. Harvey E. (UC)		"Dr. Harvey E. White, University of California, Lawrence Hall of Science, presents another of his lively demonstrations of this important physical phenomenon."	
397	Barrels of Monkeys	10/17/1960	Orr, Dr. Robert T. (CAS)		"Dr. Robert T. Orr, California Academy of Sciences and University of San Francisco, and Dr. Herald will introduce a dozen different kinds of simians to TV studio	
398	Metabolism	10/24/1960	Harper, Dr. Harold (UC Medical Center)		"Dr. Harold Harper, University of California School of Medicine, returns for a demonstration of this important technique in diagnosis. The what, why and how of taking your metabolism."	
399	Nuclear Accelerators	10/31/1960	McMillan, Dr. Edwin, Dir. Lawrence Radiation Lab.		"Dr. Edwin McMillan, distinguished Nobel Laureate and Director of the Lawrence Radiation Laboratory, will demonstrate the function and research results of man's greatest research tool."	<i>Shown in LA 3/7/1963</i>
400	Man in Africa	11/7/1960	Bates, Dr. Marston, Dept. of Zoology, University of Michigan	<i>waltzing and pirouetting mice</i>	"The development of man from the cradle of civilization to the present day."	<i>Shown in LA 2/14/1963</i>
401	Teen-Age Medicine	11/14/1960	Piel, John J., M. D., Children's Hospital, SF		"John J. Piel, M. D., Children's Hospital, San Francisco, will demonstrate techniques in this newest advance in preventive medicine, a youth clinic."	
402	Fuels of the Future	11/21/1960	Seaborg, Dr. Glenn T., Chancellor of UC and Thomas H. Pigford	<i>albatross</i>	"Dr. Glenn T. Seaborg, Chancellor of the University of California and Nobel laureate, and Dr. Tom Pigford, University of California, will show how man has depleted present sources of fuels, and how nuclear and solar energy sources solve fuel problems."	
403	Space Geography	11/28/1960	Routley, Dr. Paul (Pomona College)	<i>nature mobile</i>	"Noted astronomer Dr. Paul Routley, Pomona College, will demonstrate how distance is measured in the universe, and the application of the concept of time and	
404	Seals and Sea Lions	12/5/1960	Orr, Robert T. (CAS)		"History, biology of these mammals."	

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405	The Kidney	12/12/1960	Weyrauch, Henry M., M. D. and Alfred W. Childs, M. D., Presbyterian Medical Center, San Francisco		"The anatomy and function of this important organ with a demonstration of the newest medical marvel, the artificial kidney."	
406	Clinical Laboratory	12/19/1960	Seale, Ruth, M. D., Merritt Hospital, Oakland		"How scientists perform various tests to determine the state of your health and your medical and physical	
407	The Nature of Civilization	12/26/1960	Mandelbaum, Dr. David (UC)		"Developments, discoveries, and inventions that have made possible our present day mode of living."	
408	The Story of Wine	1/2/1961	Amerine, Dr. Maynard, Davis Campus, UC	<i>elephant trunk snake</i>	"How science has brought this great industry, one of the world's oldest, to its present state."	
409	Science of Musical Sound	1/9/1961	White, Dr. Harvey E. (UC)		"Dr. Harvey E. White, renowned physicist and television teacher, University of California, demonstrates how music is produced in many kinds of instruments."	
410	Volcanoes	1/16/1961	Macdonald, Dr. Gordon (University of Hawaii)		"A demonstration of the science and legend of these great natural phenomena with remarkable new films of recent Pacific eruptions."	
411	Language Translation Machines	1/23/1961	King, Dr. Gilbert (International Business Machines Research Center)	<i>porcupine</i>	"New electronic equipment that translates from Russian and French into English."	
412	Social Life of Baboons	1/30/1961	Washburn, Dr. Sherwood (UC)		"The lively story of research on the behavior of these animals."	
413	The New Anti-Biotics	2/6/1961	Fink, Dr. Frederick, Chas. Pfizer & Company Lab., New York		"Recent scientific research in virus and other infectious diseases."	
414	The Echo Satellite	2/13/1962	Jakes, William (Bell Telephone Laboratories)	<i>pigeons</i>	"New progress in world-wide communications - the satellite balloon and how it operates."	
415	Guarding Your Health	2/20/1961	Geiger, Dr. J. C., Dir. SF Public Health Dept.		"Dr. J. C. Geiger, famed public health authority, will describe health problems that affect the family and their solution."	
416	Keeping Children Safe	2/27/1961	Alway, Robert, M. D., Dean, Stanford Univ. School of	<i>puma cub</i>	"Robert Alway, M.D., Dean of Stanford University School of Medicine, will demonstrate hazards that children face in their daily lives and advise what parents should and can do."	
417	The Operational Polaris	3/6/1961	Brown, Herschel J., Vice President, and Stanley Burriss, Polaris Missile Systems Manager, Lockheed Aircraft Corporation		"America's newest defense weapon, the Polaris missile, mounted on a fleet of nuclear submarines - how they operate."	

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418	Rattlesnakes	3/13/1961	Shaw, Charles, San Diego Zoological So.	<i>Shetland pony</i>	"Charles Shaw, curator of reptiles, San Diego Zoological Society, will demonstrate the legends, lore, facts, and fancy of these deadly animals."	
419	The Common Cold	3/20/1961	Crocker, Timothy, M. D., UC Medical Center, and J. B. deC. M. Saunders, Dean of UC School of Medicine		"Medical science's most persistently elusive malady - its causes and the story of research directed to its cure."	
420	Undersea Research	3/27/1961	Clark, Dr. Eugenie, Cape Haze Marine Research Lab., Florida		"Dr. Eugenie Clark, famed woman scientist, skin diver and Director Cape Haze Marine Research Laboratory, Florida, demonstrates research in marine biology."	
421	Medical Electronics	4/3/1961	Thompson, Noel, M. D. and Dr. Elliott Levinthal, Palo Alto Medical Research Foundation		"How new discoveries in the physical sciences are being put to work in the field of medicine to aid in diagnosis and treatment."	
422	1961 Science Fair	4/10/1961	Herald, Dr. Earl S. (CAS)		"'Science in Action' again proudly presents the winners of the Eighth Annual Bay Area Science Fair."	
423	Solid Fuel Engines	4/17/1961	Lawrence, Mr. Herbert R., United Technology Corp. (OR Dr. Barnet Adelman, United Technology Corporation??)	<i>guide dogs for the blind</i>	"Newest accomplishments in segmented rocket engines that can carry the payloads necessary for space	
424	Plastic Surgery	4/24/1961	McGregor, Mar W., M. D., St. Francis Memorial Hospital		"How new surgical techniques and skills repair damage and correct physical deformities."	
425	Story of the Bible	5/1/1961	Finegan, Dr. Jack, Pacific School of Religion		"Dr. Jack Finegan, Pacific School of Religion, relates how the sources of the Bible have been preserved and tells of new modern translations."	
426	Fiber Optics	5/8/1961	Kapany, Dr. Narinder, Director of Optics Technology		"The founder of a new science, Dr. Narinder Kapany, Director of Optics Technology, demonstrates remarkable discoveries in this recently-developed field."	
427	Cancer Immunology	5/15/1961	Richards, Victor, M. D. (Presbyterian Medical Center)		"Special program in cooperation with the American Cancer Society."	
428	Sound of the Planets	5/22/1961	Erickson, Dr. William C., Senior Scientist in Physics, Convair Scientific Research, San Diego		"Dr. William C. Erickson, Senior Scientist in Physics, Convair Scientific Research, San Diego, will demonstrate new instrumentation that enables scientists to locate sounds emanating from space."	
429	Tidepool Life	5/29/1961	Herald, Dr. Earl S. (CAS)		"Dr. Earl S. Herald takes viewers to Pacific Ocean shore areas for a close look at the wide variety of marine plants and animal life to be found in these areas."	

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430	Science of Baking	6/5/1961	Andre, Ruth ("Ann Pillsbury"), Pillsbury Co., Minneapolis	<i>golden plover</i>	"Ruth Andre, ('Ann Pillsbury'), Director of Home Economics for the Pillsbury Company, Minneapolis, demonstrates remarkable scientific advancements in	
431	Optical Illusions	9/11/1961	White, Dr. Harvey E. (UC)		"Dr. Harvey E. White, Director Lawrence Hall of Science, University of California, returns for his twenty-second program in twelve years of 'Science in Action.' A series of lively physics demonstrations prove 'Things are not always what they seem.'"	
432	Pressures and Tensions	9/18/1961	Friedman, Meyer, M.D. and Ray Rosenman, M. D., Harold Brunn Institute, Mount Zion Hospital	<i>Mexican jumping bean</i>	"Ray Rosenman, M. D., and Meyer Friedman, M. D., Harold Brunn Institute, Mount Zion Hospital, demonstrate current research on the effect of stress, strain, and drive in men and women of our fast-paced society."	
433	Information Retrieval	9/25/1961	Vogel, Norman, IBM, San Jose	<i>Hawaiian angler fish</i>	"A challenging and imaginative new electronic instrument receives, classifies, and codes information, making it readily available."	
434	To the Moon and Beyond	10/2/1961	Mack, Dr. Rex (Hughes Aircraft Co.)	<i>Afghan hound</i>	"A progress report on information relay and the construction of the new robot which will gather information dirung first U.S. moon landing."	
435	Glands - Chemical Messengers	10/9/1961	Harper, Dr. Harold (UC Medical Center)		"The recent acceleration of knowledge about the glandular systems of the human body is solving many problems of modern medicine."	
436	Whales and Whaling	10/16/1961	Gilmore, Dr. Raymond M., La Jolla, California		"Dr. Raymond M. Gilmore, world authority on the world's largest mammals, demonstrates in the studio and on spectacular film inserts the biology, migration, and romance of these animals."	
437	Micro-Electronics	10/23/1961	Selvin, Gerald, Sylvania Electronics Systems, Waltham, Mass	<i>reptiles from Accra Ghana</i>	"Miniaturization in the field of computers through new techniques in ceramics, alloys, chemistry, and assembly makes complex instrumentation possible."	
438	Himalaya Expedition	10/30/1961	Swan, Dr. Lawrence, S.F. State College		"Dr. Lawrence Swan, San Francisco State College, twice compnaion to Sir Edmund Hillary on Himalaya expeditions, reports on the search for further scientific knowledge of the peaks and slopes once thought to be inhabited by the abominable snowman."	<i>Shown in LA 3/28/1963</i>
439	Reporting Satellites	11/6/1961	La Berge, Dr. Walter, Philco Corp., Palo Alto		"Comprehensive demonstration of how orders are transmitted to satellites, how the satellite gathers information and follows orders, and how results are transmitted back."	
440	Electricity from Heat	11/13/1961	Merkle, Dr. Theodore, Lawrence Radiation Lab., UC		"The principle of direct conversion (the thermo-electrical effect) long used in the thermocouple, today finds important new uses."	

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441	Surgery for Strokes	11/20/196	Cross, Glen O., M.D., UC 1 Medical Center		"New surgical techniques to prevent and treat strokes demonstrated by Glen O. Cross, M.D., University of California. A salute to the International Congress of Surgeons meeting in San Francisco."	
442	Exploring the Deep	11/27/196	Rechnitzer, Dr. Andreas and Lt. 1 Don Walsh, USN, US Navy Electronics Laboratory		"Dr. Andreas Rechnitzer and Lt. Don Walsh, USN, United States Navy Electronics Laboratory, demonstrate dangers and rewards of their search by Bathyscaphe in	
443	Treasures of the Nile	12/4/1961	Wilson, Dr. John, Director Oriental Institute, Univ. of		"Famed Egyptologist and member of UNESCO committee for preservation of the upper Nile archaeological sites, Dr. John Wilson, will discuss the culture of this great civilization."	<i>Shown in LA 4/18/1963</i>
444	World of Sound/The Ear	12/11/196	Sooy, Francis A., M. D., UC 1 Medical Center	<i>tree porcupine</i>	"Francis A. Sooy, M. D., returns with a series of demonstrations on the function and structure of the human ear and a report of latest treatment techniques."	
445	Million-Year Calendar	12/18/196	Curtis, Dr. Garniss, UC 1		"The amazing account of the new potassium-argon method of dating the past will be demonstrated by Dr. Garniss Curtis, University of California."	
446	Story of the Bible	12/25/196	Finegan, Dr. Jack, Pacific School 1 of Religion		"For its special Christmas program, 'Science in Action' presents Dr. Jack Finegan, Pacific School of Religion, who relates how the sources of the Bible have been preserved and tells of new modern translations."	
447	Far Reaching Space	1/1/1962	Griffith, Dr. Wayland, Lockheed Aircraft Corp.		"Dr. Wayland Griffith, Lockheed Aircraft Corporation advanced space planning specialist, dramatically demonstrates concepts of future space exploration and conquest."	
448	Animal Communications	1/8/1962	Orr, Dr. Robert T., CAS and Univ. of SF		"Intriguing facts and fables about the ways animals communicate with each other."	
449	Correcting Childhood Defects	1/15/1962	Thelander, H. E., M. D., Children's Hospital		"A new clinic, established at Children's Hospital, San Francisco, for treatment of congenital anomalies, is described with a report of its achievements by H. E. Thelander, M. D., Director of the Clinic."	
450	Optical Masers	1/22/1962	Schawlow, Dr. Arthur, Stanford University		"How communications via light waves are bringing about notable advances that are helping to make space conquest possible."	
451	Miracle of Genetics	1/29/1962	Beadle, Dr. Geo. Wells, Pres. of the Univ. of Chicago	<i>alligator</i>	"Nobel Laureate, Dr. George Wells Beadle, President of The University of Chicago, describes and demonstrates basics of this fundamental science, dealing with heredity and variation in species."	

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452	Fiber-Glass Rockets	2/5/1962	Frey, Christian, United Technology Corp.		"The newest development in rocketry, a light-weight substance that meets high temperatur specifications for space, is presented by Christian Frey, United Technology Corporation."	
453	The Spectrum	2/12/1962	White, Dr. Harvey E. (UC)		"How visible and invisible light sources, acting as the fingerprints of matter, reveal the structure of atoms and molecules."	
454	Fossil Fishes	2/19/1962	Herald, Dr. Earl S. (CAS)		"Dr. Earl S. Herald interprets from geologic strata the story of aquatic life in ancient seas as it compares today with living fishes of the world."	
455	Search for New Elements	2/26/1962	Ghiorso, Dr. Albert (Lawrence Radiation Lab., UC)		"Dr. Albert Ghiorso, Lawrence Radiation Laboratory, University of California, demonstrates how scientists working with the giant Bevatron, have created the new trans-uranium elements."	
456	History of Medicine	3/5/1962	Veith, Dr. Liza (University of Chicago)		"Dr. Ilza Veith, The Universityof Chicago, demonstrates how much of our medical knowledge derives from the past. Her studies in the backgrounds of medicine at Johns Hopkins University, led to the first Ph.D. awarded in this subject."	
457	Beekeeping/The Amazing Honeybee	3/12/1962	Eckert, Dr. John, UC, Davis		"A close look at the behavior pattern and biology of the bee; and modern techniques in the management of this valuable insect."	<i>Shown in LA 4/4/1963</i>
458	Origin of Life	3/19/1962	Calvin, Dr. Melvin, UC		"Nobel Laureate Dr. Melvin Calvin, University of California, describes the beginning of cell life on earth and discusses the possibility of life elsewhere in the	<i>Shown in LA 2/28/1963</i>
459	The Ion Engine	3/26/1962	Currie, Dr. Malcolm R. (Hughes Aircraft Co.)		"How a new propulsion device, using a stream of sub-atomic particles, will accelerate future rocket ships to fantastic speeds in space."	<i>Shown in LA 2/21/1963</i>
460	Periodontics	4/2/1962	Hileman, Alvin C., D.M.D, UC School of Dentistry		"Newsworthy advances in a specialized field of dentistry demonstrated by Alvin C. Hileman, D.M.D., University of California School of Dentistry."	
461	1962 Science Fair	4/9/1962	White, Dr. Harvey E. (UC)		"'Science in Action' again televises the exhibits and top winners among students in the Ninth Annual Bay Area Science Fair."	
462	The Age Of Reptiles	4/16/1962	Stirton, Dr. Ruben A. (UC)??	<i>Angus cow</i>	"Dr. Earl S. Herald presents a panorama of aminal life in prehistoric times - linking dinosaurs to modern dragons."	

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463	World's Fair - Part I/Century 21 - Part I	4/23/1962	White, Dr. Harvey E. (UC)		"The first of two special on-the-spot telecasts at the World's Fair in Seattle. Dr. Earl S. Herald and Dr. Harvey E. White will tour the Fair's multi-million dollar science complex."	
464	World's Fair - Part II/Century 21 - Part II	4/30/1962	White, Dr. Harvey E. (UC)		"'Science in Action' continues its World's Fair coverage from Seattle with a close look at 'Science in the Space Age' at the United States Government Science Pavilion."	
465	Applied Mathematics/The Ever-Changing Third R	5/7/1962	Pollak, Dr. Henry O. (Bell Telephone Lab.)		"Henry O. Pollok, staff mathematician, Bell Telephone Laboratories, Murray Hill, New Jersey, demonstrates how the solution of complex problems in our times has led to the development of a new field of science."	
466	Computer Ears	5/14/1962	Dersch, William C., IBM, San Jose		"Demonstrations and structure of the new experimental, shoe-box size device which responds to spoken commands."	
467	Pain	5/21/1962	Cheek, David B., M.D. (Mt. Zion Hospital)		"David B. Cheek, M. D., presents a series of fascinating demonstrations about the phenomenon of pain and describes medicine's latest advances in its alleviation."	
468	Moonmobile	5/28/1962	McKenny, John D., Space-General Corp, L.A.		"How a newly developed mechanism with TV eyes, six legs, and a single claw will study and report the moon's surface, preparing the way for man."	
469	Blood Fractioning	6/4/1962	Pennell, Robert (Harvard Univ. School of Medicine)		"How medical research teams have literally taken apart human blood for a higher degree of efficiency in transfusions."	
470	Missile Photography	9/10/1962	Brewster, Carl N., Aerospace Corp., Cape Canaveral	<i>slow loris</i>	"Carl Brewster, Aerospace Corporation, Cape Canaveral, Florida, demonstrates how scientific photography is helping America's space effort by recording the performance of outward-bound missiles."	<i>Shown in LA 3/21/1963</i>
471	Tropical Fishes	9/17/1962	Herald, Dr. Earl S. (CAS)	<i>chameleons</i>	"Our Science in Action host, Dr. Earl S. Herald, describes the fascinating habits of tropical fishes in their native areas. He also suggests the proper care and feeding in aquariums and at home."	<i>Shown in LA 2/7/1963</i>
472	Oxygen Therapy	9/24/1962	Jolley, Harold, M.D., Anesthesiologists Medical Group, San Francisco		"Since its 18th century discovery by Priestly, this life-sustaining gas has been employed in an increasing number of therapeutic ways."	<i>Shown in LA 1/13/1963</i>
473	Disappearing Resources	10/1/1962	Spilhaus, Dr. Athelstan, U.S. Science Exhibit, Seattle World's Fair; Univ. of Minnesota	<i>jaguar</i>	"One of the least discussed yet the most vital of contemporary problems is the depletion of natural resources."	<i>Shown in LA 3/14/1963</i>

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474	Pre-Columbian Art	10/8/1962	Sheets, Millard		"Millard Sheets, famed artist and designer, tells the exciting story of the art treasures of ancient Aztec, Mayan and Mexican civilizations."	<i>Shown in LA 5/2/1963</i>
475	Animal Senses	10/15/1962	Milne, Dr. Lorus and Dr. Margery 2 Milne, Univ. of New Hampshire	<i>eagle</i>	"A husband and wife team, Doctors Lorus and Margery Milne of the University of New Hampshire, report research on animals and the five senses."	<i>Shown in LA 5/9/1963</i>
476	Human Locomotion	10/22/1962	Inman, Verne, M.D., UC Medical 2 Center		"Amputees and other handicapped persons present a challenge to the Orthopedist. Verne Inman, M.D., U.C. Medical Center, demonstrates new developments in orthotics and prosthetic devices."	<i>Shown in LA 5/16/1963</i>
477	Work, Energy and Power	10/29/1962	Shugart, Dr. Howard, UC 2		"Basic principles of work, energy and power are made more meaningful through lively demonstrations that apply to many activities."	<i>Shown in LA 5/23/1963</i>
478	Project Mohole	11/5/1962	Bascom, Willard, Ocean Science and Engineering Co.		"Man's effort to learn the character of the earth's interior has led to the development of an ocean-going bore that penetrates the sea bottom."	<i>Shown in LA 4/25/1963</i>
479	Telstar	11/12/1962	Shennum, Dr. Robert, Bell 2 Telephone Labs.		"This communication satellite recently made the worldwide transmission of live television a reality. What	<i>Shown in LA 5/30/1963</i>
480	Learning Machines	11/19/1962	Overton, Dr. Richard K., 2 Autonetics, Anaheim		"A new electronic brain, AGILE, which learns through inference how to do many things from playing tic-tac-toe to conducting anti-submarine warfare, is described by Dr. Richard K. Overton, Autonetics Division, North American Aviation, Inc."	
481	Weather - Past, Present and Future/New Weather Theories	11/26/1962	Roberts, Dr. Walter Orr, National 2 Center for Atmospheric Research	<i>kinkajou</i>	"Space exploration has opened up a wealth of new ways to probe the ancient mysteries of meteorology. To bring us up to date, Dr. Walter Orr Roberts of the University of Colorado returns to 'Science in Action.'"	<i>Shown in LA 6/6/1963</i>
482	Hybrid Rockets	12/3/1962	Fitzgerald, Dr. J. Edmund, Lockheed Propulsion Co., Redlands	<i>Himalayan bear</i>	"Dr. J. Edmund Fitzgerald, Lockheed Propulsion Company, demonstrates a new concept in rocketry which utilizes a combination of solid fuel and liquid oxidizer."	<i>Shown in LA 6/13/1963</i>
483	Ultra Centrifuge	12/10/1962	Pickels, Dr. Edward G., Spinco 2 Division of Beckman Instruments, Inc.		"How the development of this most sophisticated of research instruments has aided science in many important discoveries."	<i>Shown in LA 4/11/1963</i>
484	Lunar Exploration Rockets	12/17/1962	Osborne, Rexford H., United 2 Technology Center of the United Aircraft Corporation		"Space Engineers at work on the problems of docking and take-off on the moon's surface."	

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485	Science of Cartooning/Cartoon Characters and How They Grow	12/24/1962	Ward, Jay, William Scott, and Bullwinkle		"Science in Action' will spend Christmas Eve with Bullwinkle, notable friend of television viewers."	
486	The Liver	12/31/1962	Brauer, Dr. Ralph, U. S. Radiological Defense Laboratory	<i>rat kangaroo (potoroo)</i>	"The physiology of this important organ; research that will aid medical science in a better understanding of its function."	
487	High Energy Physics	1/7/1963	Hofstadter, Dr. Robert, Stanford University		"Nobel Laureate Dr. Robert Hofstadter, Stanford University, will demonstrate principles and discoveries in this new field of science."	
488	Operational Gyroscopes	1/14/1963	Ausman, Dr. Stanley J., Litton Industries		"The application of inert navigational system principles to underwater, surface, and aircraft."	
489	Zookeeping	1/21/1963	Schroeder, Dr. Charles, San Diego Zoo		"Dr. Charles Schroeder, Director of the world-famous San Diego Zoo, relates the fascinating story of the care and feeding of animals from all parts of the globe."	
490	Pesticide Research	1/28/1963	Persing, Dr. C. O., Stauffer Chemical Company	<i>baby kangaroo</i>	"How chemical pesticides are discovered, screened, and laboratory tested on both plants and animals, then put to work for the good of man."	
491	The Handwriting Reader	2/4/1963	Greanias, Dr. E. G., IBM	<i>finback whale</i>	"A remarkable experimental instrument, first step toward a machine that will 'read' handwriting."	
492	Satellite Communications/Photography in Satellites/Advanced Communications Satellite	2/11/1963	Rosen, Dr. Harold, Hughes Aircraft Company	<i>Belgian horses</i>	"A new satellite travels 6,876 miles per hour, 22,320 miles up, for television and telephone communications."	
493	Hydrofoils	2/18/1963	(Grumman Aircraft Company and Stanford University)		"The new water craft that skims the surface at high speeds. Special guests from The Grumman Aircraft Company and Stanford Research Institute."	
494	The Skin	2/25/1963	Epstein, Dr. John (UC)	<i>trained German shepherds</i>	"What does the sun do to the skin? How can you keep your skin healthy? These and other questions about the human body will be answered by John Epstein, M.D., University of California Medical Center."	
495	Project Apollo	3/4/1963	Powers, Col. John (USAF)	<i>margay</i>	"Col. John Powers, United States Air Force, Manned Spacecraft Center, Houston, Texas, makes an up-to-the-minute report on the astronaut program."	

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496	Underwater Research	3/11/1963	Behnke, Dr. Albert (UC Medical Center)		"The problems of the deep sea diver - lungs, pressures, and performance."	
497	Laws of Motion	3/18/1963	White, Dr. Harvey E. (Lawrence Hall of Science, UC)		"For his twenty-fifth appearance on the program Dr. Harvey E. White, Director, Lawrence Hall of Science, University of California, presents a series of demonstrations basic to modern physics."	
498	America's Air Defense	3/25/1963	Necrason, Maj.Gen. C. F. (USAF)		"The story of the North American Air Defense Command and its twenty-four hour operation under joint command of Canada and the United States."	
499	Science Fair	4/1/1963	Herald, Dr. Earl S. (CAS)		"'Science in Action' takes pride in again presenting the top winners of the annual Bay Area Science Fair."	
500	Coming of Age of Science	4/8/1963	Seaborg, Dr. Glenn T. (U.S. Atomic Energy Commission)		"In a special salute to 'Science in Action' on the occasion of its five hundredth program, Nobel Laureate Dr. Glenn T. Seaborg, Chairman of the U. S. Atomic Energy Commission, will review the role of science in the world of today and tomorrow."	
501	Miracle of Magnetic Tape	4/15/1963	Ampex Guest Scientist (Arthur H. Housman and Alexander M. Poniatoff)		"The application of the recording principle to the field of audio and television and its role in modern communications."	
502	New Fields in Fibre Optics	4/22/1963	Kapany, Dr. Narinder (Optics Technology)		"Dr. Narinder Kapany, Optics Technology, reports on the state of the art of fibre optics."	
503	Fluid Balance and Weight Control	4/29/1963	Harper, Dr. Harold (UC Medical Center)		"Dr. Harold A. Harper, Dean of the Graduate School, University of California Medical Center, discusses the problems of water retention in the human body."	
504	2-Mile Accelerator	5/6/1963	Kirk, William T. (Stanford University)		"The largest research tool ever devised for investigation of high energy physics."	
505	Indians of Western America	5/13/1963	Dentzel, Dr. Carl (Southwest Museum)		"The migration of the many tribes to the New World and their civilizations on this continent."	
506	Instrumentation	5/20/1963	Beckman, Dr. Arnold		"Dr. Arnold Beckman, past president Instrument Society of America and president of Beckman Instruments, will demonstrate advances in science as a result of newly developed techniques of measuring."	
507	The Oceans	5/27/1963	Fisher, Dr. Robert	<i>alligator snapping turtles</i>	"Dr. Robert Fischer, Director of the International Oceanographic Expedition, Scripps Institution of Oceanography, La Jolla, tells of new and important research by scientists from twenty countries."	

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508	Infrared Report/Space Age Research	6/3/1963	Talley, Dr. Robert	<i>dolphins</i>	"A report on recent advances in man's conquest of the areas beyond his home planet. Guest scientist from Hughes Aircraft Company."	
509	Liquid Air	9/19/1963	White, Dr. Harvey E. (Director of Lawrence Hall of Science, UC)	<i>talking Mynah bird</i>	"Aspects of low temperature research and the useful applications of liquid air in biological research, solid state physics, and computer technology."	
510	Cosmetic Surgery	9/26/1963	McGregor, Dr. Mar W. (Exec. Committee, Amer. Soc. of Plastic Surgeons)	<i>domestic cats</i>	"The process by which signs of aging are removed from the face through skills of the plastic surgeon."	
511	Lifting Bodies	10/3/1963	Eggers, Dr. Alfred J. Jr. (NASA)	<i>octopus</i>	"When space travel becomes routine, a wingless 'lifting body' space vehicle may be utilized to re-enter the earth's atmosphere."	
512	Hydraulic Engineering	10/10/1963	Einstein, Dr. Hans (Hydraulic Engineering, UC)	<i>decorator crabs</i>	"Scientific improvements upon nature in the search for methods of controlling the waterways of the world."	
513	Hematology	10/17/1963	Schrier, Dr. Stanley (Medicine, Stanford)	<i>gila monster</i>	"Laboratory and clinical studies of the life cycle of hemoglobin."	
514	Living Fishes	10/24/1963	Herald, Dr. Earl S. (Steinhart Aquarium, CAS)	<i>saiga (antelope-goat)</i>	"A camera visit with some of the exotic fishes in the recently renovated Steinhart Aquarium."	
515	Science and Crime	10/31/1963	Kirk, Dr. Paul (Criminalistics, UC)	<i>tarantula</i>	"How blood proteins may be used in place of fingerprints in criminal identification."	
516	Electronics in Medicine	11/7/1963	Thompson, Dr. Noel P. (Palo Alto Medical Research Foundation)	<i>ringtailed lemur</i>	"Clinical and surgical uses of electronic instrumentation discussed and demonstrated."	
517	Story of Helium	11/14/1963	Cook, Dr. Gerhard (Union Carbide Corporation)	<i>sea lions</i>	"The unique applications of this colorless, odorless, tasteless and inert gas, first detected in the sun."	
518	Ulcers	11/21/1963	Tuttle, Dr. Stewart (UCLA)	<i>poodles</i>	"History of the detection, prevention and treatment of this chronic and common ailment."	
519	Supersonic Transport	11/28/1963	Jones, Mr. Lloyd (Vehicle-Aerodynamics, Ames Research Center)	<i>redtail hawk, barn owl, grey horned owl</i>	"Wind tunnel testing of a supersonic transport plane designed to span the continent in 75 minutes."	
520	The Eye	12/5/1963	Jampolsky, Dr. Arthur (Eye Research Institute, Presbyterian Medical Center)	<i>albino gopher</i>	"Laboratory studies of eye movements and perception, using newly developed electronic research facilities."	
521	Reptiles	12/12/1963	Shaw, Mr. Charles (Reptiles, San Diego Zoo)	<i>dolphins</i>	"Fascinating habits of some of the largest living snakes and lizards."	
522	Computers that Learn	12/19/1963	Widrow, Dr. Bernard (Electrical Engineering, Stanford)	<i>chinchillas</i>	"Madeline I, machine that learns how to perform human-like tasks."	

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523	Breeding Salmon	12/26/1964	Donaldson, Dr. Lauren (Fisheries, University of Washington)	<i>dogs: Giant Pyrenees, St. Bernard, Great Dane, and Bouvier des Flandres</i>	"At one time plentiful, but now in short supply, salmon are being reborn in an accelerated life cycle through research." Black and white.	
524	Supernova	1/2/1964	Colgate, Dr. Stirling (UC)	<i>tropical birds</i>	"A celestial catastrophe is described and a new theory of the formation of cosmic rays is presented over television for the first time."	
525	Chinese Translation	1/9/1964	Chang, Hsien-Wu (IBM Corporation)	<i>scorpion</i>	"One of the world's most complex languages is simplified by electronics."	
526	Pre-Columbian Music	1/16/1964	Dentzel, Carl (Southwest Museum) and Elizabeth Waldo	<i>bats</i>	"Elisabeth Waldo demonstrates musical instruments from the Pre-Columbian past."	
527	Consumer Textiles	1/23/1964	Morris, Dr. Mary Ann (UC)	<i>electric fishes</i>	"New research in the field of man-made textiles, and what it means to the consumer."	
528	Horizon Scanner	1/30/1964	Wilson, Dr. E. J., Jr. (Advanced Technology Laboratories, American-Standard)	<i>brine shrimp</i>	"The design, development and manufacture of horizon-scanner subsystems for the guidance and control of an orbiting geophysical observatory."	
529	The Kidney	2/6/1964	Holliday, Dr. Malcolm (Children's Hospital of the East Bay, Oakland, CA)	<i>rhinoceros</i>	"Sometimes called 'the sea in which we live,' this ingenious organ provides the 'sea water' in which our body cells must live."	
530	Biological Clocks	2/13/1964	Hamilton, Dr. William (CAS)	<i>European hedgehog</i>	"The amazing time-sensing mechanisms of the body, by means of which plants and animals alike regulate their life activities."	
531	Tektites	2/20/1964	Chapman, Dr. Dean and Howard K. Larson (Ames Research Center, NASA)	<i>emu</i>	"Recently these small, glass-like particles, found widely on the earth, have definitely been established as originating on the moon."	
532	The Nobel Prize	2/27/1964	Pauling, Dr. Linus (Nobel Prize for Chemistry, 1954; Nobel Peace Prize, 1962)	<i>marine turtles: loggerhead, green and hawksbill</i>	"Its history and its meanings in the light of today's scientific achievements - by the only man ever to win the coveted award twice."	<i>Shown in Hawaii 9/27/1966</i>
533	The Lungs	3/5/1964	Kieran, Dr. James (Medicine, Stanford)	<i>sea otter</i>	"How these organs function and provide the 'breath of life.'"	
534	Syncom	3/12/1964	Murphy, Gordon (Syncom Project, Hughes Aircraft)	<i>softshell turtles</i>	"The amazing communications satellite which achieved two notable 'firsts' in space technology - the first maneuverable satellite and the first 'stationary satellite.'"	
535	Echo Location	3/19/1964	Poulter, Dr. Thomas C. (Stanford Research Institute)	<i>lizards: sungazer, shingleback skink, Cunningham skink, cordylus</i>	"How animals orient themselves by sound instead of sight."	

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536	The Ultra X-Ray	3/26/1964	Haimson, Jacob (Manager of Accelerator Research, Varian Associates)	<i>tapir</i>	"Six million electron volt machines produce ideal treatment for deep-seated tumors."	
537	Global Television	4/2/1964	Roizen, Joseph (Video Consultant, Ampex International)	<i>elephant seal</i>	"International communications enhanced through the use of videotape."	
538	Language of Life	4/9/1964	Stanley, Dr. Wendell M. (Director of Virus Laboratory, UC)	<i>archer fish</i>	"The code governing the regulation and transfer of biological information."	
539	Hall of Electricity	4/16/1964	Gould, William R. (Vice President, Southern California Edison Company)	<i>two-toed sloth</i>	"A tour of exhibits graphically demonstrates and explains electrical phenomena at the California Museum of Science and Industry in Los Angeles."	
540	The Continental Drift	4/23/1964	Doell, Dr. R. R. (U.S. Geological Survey)	<i>lion ("Sammy")</i>	"Are the world's continents really 'islands' floating in the crust of the earth?"	
541	Cancer Prevention	4/30/1964	Day, Dr. Emerson (Director, Strang Clinic, New York City)	<i>bipes</i>	"A visit to a modern clinic specializing in cancer detection."	
542	New Mathematics	5/7/1964	Begle, Dr. Edward G. (Mathematics Education, Stanford University)	<i>chameleons</i>	"A revolution in the basis of science is underway." "A far cry from the teaching-by-rote system, the new mathematics might be called the 'discovery' system."	<i>Shown in Hawaii 10/4/1966</i>
543	Cacti	5/14/1964	Lindsay, Dr. George (Director, CAS)	<i>koalas</i>	"Scientific and photographic studies of the structure and function of these unique and weirdly beautiful plants."	
544	Oceanarium Research	5/21/1964	Monaham, William (General Manager), Dave Brown (Mammals) and John Prescott (Fishes) (Marineland of the	<i>penguins</i>	"Marineland of the Pacific combines science with pleasure."	
545	Modern Dentistry	5/28/1964	Hileman, Dr. Alvin C. (Periodontist, San Francisco)	<i>striped hyena</i>	"Research emphasis is now on the supporting structures of the teeth."	
546	The Science of Music	6/4/1964	Hutchins, Carleen Maley (Guggenheim Fellow)	<i>hummingbird</i>	"Modern acoustics promises an evolution in the instruments of the violin family."	
547	The Quiet Sun	6/11/1964	Krishnan, Thiruvenkata (Radioscience Lab, Stanford University)	<i>baby chimpanzee</i>	"A look at international plans utilizing the two-year period of minimum solar activity."	
548	Space Photography	9/15/1964	Brewster, Carl N., Head, Information Support Services, Aerospace Corporation, Patrick AFB, Florida	<i>puffer fish</i>	"Cameras serve as vital missile research instruments and also record breath-taking spectacles."	<i>Shown in Hawaii 10/11/1966</i>

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549	Seals and Sea Lions	9/22/1964	Orr, Dr. Robert T., Curator of Birds and Mammals, CAS	"Boris" the slow loris	"Structure, adaptations and social behavior of these delightful marine mammals."	<i>Jacqueline Schonewald shows the animal of the week. Shown in Hawaii 10/18/1966</i>
550	Chemical Origins of Life	9/29/1964	Ponnamperuma, Dr. Cyril, Ames Research Center, NASA	<i>Philippine fishes</i>	"One of Nature's greatest puzzles, how life began on earth, is gradually being solved."	<i>1 can holds the A & B rolls, the other holds a sound roll and a neg? NO FINISHED</i>
551	Epidemic in India	10/6/1964	Work, Telford H., M.D., Chief Virology Section, U.S. Public Health Service, Atlanta, Georgia	<i>Indian elephant</i>	"At first thought to be dreaded yellow fever, a strange new disease sparks a frantic search to identify the	
552	Sense of Smell	10/13/1964	Amoore, Dr. John E., U. S. Department of Agriculture	<i>hermit crab</i>	"Accelerated research should make it possible to develop new fragrances and get rid of obnoxious odors."	
553	Romance of Pharmacy	10/20/1964	Leake, Dr. Chauncey D., UC	<i>African bush babies</i>	"From the background of superstition and jungle magic, the science of drug control and dispensing developed."	
554	Solid Fuel	10/27/1964	Vogel, Jack M., Director, Quality Assurance Division, United Technology Center	<i>box crab</i>	"The powerful propellant which will hurl the TITAN III-C toward orbit with a two-million pound thrust."	<i>Shown in Hawaii 10/25/1966</i>
555	Trout Conservation	11/3/1964	Calhoun, Dr. Alex, Chief, Inland Fisheries Branch, California Department of Fish and Game	<i>"Gladstone" the mynah bird</i>	"Plans to replenish the gamefish most popular with fresh-water sportsmen."	
556	Silent Sounds	11/10/1964	Simpkins, Alan, President, Delcon Corporation	<i>freshwater dolphins</i>	"A new, portable device extends man's hearing into the ultrasonic range normally heard only by certain animals."	<i>Shown in Hawaii 11/1/1966</i>
557	Galileo Galilei	11/17/1964	Drake, Stillman, author, and translator of Galileo's writings	<i>snakes</i>	"A tribute to the 'father of modern science' on the 400th anniversary of his birth."	<i>Shown in Hawaii 11/8/1966</i>
558	Isles of Cortez	11/24/1964	Lindsay, Dr. George E., Director, CAS	<i>fish-eating bat</i>	"Scientific Expedition Part I - almost forgotten islands of the Gulf of California attract scientists to collect specimens."	<i>Part one of "Sea of Cortez" - a 58 minute film aired in two parts. Shown in Hawaii 11/15/1966</i>
559	Sea of Cortez	12/1/1964	Herald, Dr. Earl S., Steinhart Aquarium, CAS	<i>manta rays</i>	"Scientific Expedition Part II - scientists venture under water into rich, colorful fish and sea gardens."	
560	Lunar Cratering	12/8/1964	Gault, Donald E., Research Scientist, NASA	<i>frogs and toads</i>	"Laboratory experiments simulate meteoroid impact on the moon's surface."	<i>Shown in Hawaii 11/22/1966</i>
561	Earthquake Risk	12/15/1964	Richter, Dr. C. F., Professor of Seismology, California Institute of Technology	<i>capybara</i>	"Hazards involved are largely a result of man's ignorance as explained by the scientist who devised the Richter scale for measuring the intensity of earthquakes."	

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562	Time-Lapse Photography	12/22/1964	Ott, John, Director, Time-Lapse Research Foundation, Lake Bluff, Illinois	<i>animal-eating plant</i>	"The marvel of making time-lapse pictures and their startling new use in medical research."	<i>Shown in Hawaii 11/29/1966</i>
563	Animal Psychology	12/29/1964	Breland, Keller, President, Animal Behavior Enterprises	<i>crayfish</i>	"How animals are taught to do almost incredible things by modern scientific methods."	<i>Shown in Hawaii 12/6/1966</i>
564	Water and Life	1/5/1965	Milne, Drs. Lorus and Margery, Professors of Biology, University of New Hampshire	<i>nudibranchs</i>	"A fascinating exploration of ways to save our civilization from overwhelming thirst." Opens with boy in Golden Gate Park. Includes discussion of pollution of water supplies, includes footage from around the world. Color.	<i>See also their book with the same title. Shown in Hawaii 12/13/1966. 1 can holds "Opt Track"</i>
565	Drugs and Poisons from the Sea	1/12/1965	Nigrelli, Dr. Ross F., Director of the Laboratory of Marine Biochemistry and Ecology, Aquarium of the New York Zoo	<i>beluga whale (at New York Aquarium)</i>	"Lethal creatures found in the oceans can provide life-saving medicines."	<i>Shown in Hawaii 12/20/1966</i>
566	Nuclear Science	1/19/1965	Seaborg, Dr. Glenn T., Nobel Laureate and Chairman of the Atomic Energy Commission	<i>Two-fingered sloth (at National Zoo)</i>	"Applications of atomic energy for a better tomorrow."	<i>Shown in Hawaii 12/27/1966</i>
567	Coronary Candidates	1/26/1965	Friedman, Meyer, M.D., and Ray Rosenman, M.D., Harold Brunn Institute, Mount Zion Hospital and Medical Center	<i>fruit bats (at National Zoo)</i>	"Certain personality factors indicate likely victims of heart attacks."	
568	Mathematica	1/31/1965	Fitzgerald, Dr. William F., California Museum of Science and Industry, Los Angeles		"A participating visit into 'A World of Numbers and Beyond.'"	<i>Shown in Florida 2/22/1965. Shown in Hawaii 1/3/1967</i>
569	Bird Island	2/7/1965	Walker, Lewis Wayne, Arizona-Sonora Desert Museum, Tuscon		"How man's efforts helped keep nature 'on the wing.'"	<i>Shown in Florida 3/1/1965</i>
570	Legal Psychiatry	2/14/1965	Diamond, Bernard L., M.D., Professor of Criminology and Law, UC Berkeley		"A case history dramatizing the conflict between the latest medical knowledge and various legal precedents."	<i>Shown in Florida 3/8/1965. Shown in Hawaii 1/10/1967</i>
571	Science in the Classroom	2/21/1965	Karplus, Dr. Robert, Professor of Physics, UC Berkeley, and Director of Science Curriculum Improvement Study		"New methods for teaching science are revealed by monitoring student reactions."	<i>Shown in Florida 3/15/1965</i>
572	Venomous Animals	2/28/1965	Stahnke, Dr. Herbert L., Professor of Zoology, Arizona State University		"Tarantulas, Gila monsters and scorpions are viewed close up at the 'Poisonous Animals Research	<i>Shown in Florida 3/22/1965</i>
573	Patterns and Designs	3/7/1965	Fuller, R. Buckminster, Southern Illinois University		"An insight into structural science as fashioned by the world-renowned inventor of the geodesic dome."	<i>Shown in Florida 3/29/1965. Shown in Hawaii 1/17/1967</i>

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574	Science of Swimming	3/14/1965	Haines, George, Coach, Santa Clara Swim Club		"Psychology and new methods of training combine to produce Olympic championship youths."	<i>Shown in Florida 4/5/1965</i>
575	The Iron Cow	3/21/1965	Kempf, Dr. Clay, Research and Development, Foremost Dairies		"The many medical miracles the SS Hope carries abroad are symbolized by a carton of milk."	<i>Shown in Florida 4/12/1965</i>
576	Musical Sounds	3/28/1965	White, Dr. Harvey E., Director of the Lawrence Hall of Science,		"A demonstration of how physical laws are employed in playing musical instruments."	<i>Shown in Florida, 4/19/1965. Shown in Hawaii 1/24/1967</i>
577	Bioastronautics	4/4/1965	Marquardt, Roy E., The Marquardt Corporation		"How space research findings are being turned into on-earth medical benefits."	<i>Shown in Florida 4/26/1965. Shown in Hawaii 1/31/1967</i>
578	African Wildlife	4/11/1965	Leopold, Dr. A. Starker, Professor of Zoology, UC and President of the California Academy of Sciences		"A panorama of one continent's rich heritage in animal life." Color faded badly. Lots of footage of animals in Africa. Discussion includes 'harvesting' of wild game for human food in Rhodessa and the impact of the Masai people's increasing herds of domesticated cattle.	<i>Shown in Florida 5/3/1965. Shown in Hawaii 2/7/1967</i>
579	Magnetic Search	4/18/1965	Rogers, Dr. Emery H., Vice President, Instrument Group, Varian Associates		"Applications of atomic-based magnetometers include avalanche rescue and archaeological investigations."	<i>Shown in Florida 5/10/1965</i>
580	The Chicken and the Egg	4/25/1965	Hill, Dr. Fredric W., Professor and Chairman, Poultry Husbandry, University of		"The historical background on a highly specialized agricultural industry and the far-reaching effects of technological advances."	<i>Shown in Florida 5/17/1965</i>
581	Malaria Today	5/2/1965	Smith, Edgar A., U. S. Agency for International Development, Operations Mission to Thailand, Bangkok		"An on-the-scene report of how scientists work to wipe out the disease which antedates man himself."	<i>Shown in Florida 5/24/1965</i>
582	The Brain	5/9/1965	Feinstein, Bertram, M.D., and Dr. Benjamin Libet, M.D., Mount Zion Neurological Institute		"Observing the medical team approach to therapy and investigation of brain disorders."	<i>Shown in Florida 5/31/1965. Shown in Hawaii 2/14/1967</i>
583	Amphibians	5/16/1965	Leviton, Dr. Alan E., Curator of Herpetology, CAS		"The fascinating world of frogs, toads and salamanders."	<i>Shown in Florida 6/7/1965. Shown in Hawaii 2/21/1967. Transferred to VHS and BetaCamSP 6/98</i>
584	Diving Saucers	5/23/1965	Hubbs, Dr. Carl L., and Dr. E. W. Fager, Scripps Institute of Oceanography, La Jolla, California		"Versatile new 'baby submarines' aid man's exploration under the sea."	<i>Shown in Florida 6/14/1965. Shown in Hawaii 2/28/1967</i>
585	Cape Kennedy - Part I	5/30/1965	Webb, James E., Administrator, National Aeronautics and Space Administration		"An exploration at the flight site of the history and the scientific community behind the massive efforts to conquer space."	<i>Shown in Florida 6/21/1965</i>

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586	Cape Kennedy - Part II	6/6/1965	Debus, Dr. Kurt H., Director, John F. Kennedy Spacecraft Center, Cocoa Beach, Florida		"A countdown of missile and satellite launches to date and a forecast of what's ahead."	<i>Shown in Florida 6/28/1965</i>
587	Jet Pilot		Anderson, Captain Ira R., Assistant Chief Pilot, Pacific Sector, Pan American Airways		"Joining the 'scientist in the sky' as he masters the intricacies of modern flying."	
588	To Tell the Time		Kock, Bruce A., Honorary Curator of Horology, CAS		"How the science of horology places the turning of the world."	<i>Shown in Hawaii 3/7/1967</i>
589	Feeling No Pain		Cullen, Stuart C., M.D., Professor and Chairman of the Department of Anesthesia, UC		"Without the modern methods of anesthesia, surgical 'miracles' would be impossible."	
590	The Enchanted Isles		Bowman, Dr. Robert I., Professor of Biology, San Francisco State College		"A journey to the world's most famous living laboratory of evolution... the Galapagos!"	
591	Forecast		Thompson, Jack O., Associate Regional Meteorologist, U. S. Weather Bureau		"By using the new tools of meteorology, weather services will set prediction records."	
592	The Wind Tunnel		Yaggy, Paul F., Ames Research Center		"What it's like inside the chief laboratory facility for aerodynamic study."	<i>Shown in Hawaii 3/14/1967</i>
593	Time-Lapse Greenhouse		Ott, John, Director, Time-Lapse Research Foundation		"The complete life cycle of flowers and plants as telescoped by fast motion pictures." Color. Time-lapse photography as a tool for scientific research. Includes the story of its development by John Ott and its scientific uses. Lots of time-lapse photography	<i>1 can holds "Snd", 1 can holds "A-Wind"</i>
594	Museum		Lindsay, Dr. George E., Director, CAS		"A rare look at the vast research activities required to accumulate scientific collections."	<i>At least one reel in Spanish</i>
595	Field Trip		Orr, Dr. Robert T., Associate Director, CAS		"How naturalists collect specimens for scientific study."	<i>Shown in Hawaii 3/28/1967</i>
596	Glassblowing		Moody, Donald P. and Daniel J. Dempsey, Scientific Glassblowers, Ames Research Center		"The need for custom-made glassware in research labs has revived an ancient art."	
597	Firefighters		Murray, William F., Chief, San Francisco Fire Dept.		"Scientific training pays off when the alarm is sounded against human error and carelessness."	
598	The Surgeon's Century		Saunders, Dr. John Bertrand De C. M., M.D., Chancellor, University of California Medical Center		"Medical progress now centers around the science of surgery."	

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599	The Probable Cause		Sabouni, Bahidj B., Sauboni and Associates, Berkeley, California		"Solving the mystery of equipment failures and accidents by scientific methods."	
600	Observatory		Whitford, Dr. Albert E., Director and Astronomer, Lick Observatory		"All the beauty and wonders of the universe as viewed by modern astronomers from a mountaintop research	<i>Shown in Hawaii 4/4/1967</i>
601	Planetarium		Gates, Thomas M., Morrison Planetarium, CAS		"Creating the grand illusion of starlit skies under an artificial hemisphere."	
602	Schizophrenia		Jackson, Don D., M.D., Director, The Mental Research Institute, Palo Alto, California		"The mental illness that ranks with cancer and heart disease as a major health problem."	<i>No finished film - 1 A roll, 1 B roll, 1 sound only</i>
603	Air Traffic Control		Marks, Fred M., Chief Controller, Oakland Air Route Traffic Control Center, Fremont, California		"The exacting science that's behind the ever-increasing safety of flying."	
604	Ancient Death Trap		Downs, Dr. Theodore, Chief Curator, Earth Sciences Division, Los Angeles County Museum		"The Rancho La Brea 'tar pits' have produced the world's largest collection of fossil bones from the Ice Age."	
605	Time and Two Cells		Wood, David Alvera, M.D., Director of Cancer Research Institute, UC Medical Center		"Where we stand today in the fight against cancer."	
606	Salt		Woodhill, Alan, Vice President and General Manager, Salt and Chemical Division, Leslie Salt Company		"How the sun and sea are used to produce one of life's necessities."	
607	Transport for Tomorrow	1/30/1966	Irvin, Leslie A., Manager of Engineering, Bay Area Rapid Transit		"A study of one of the largest engineering projects in the world, modern rapid transit."	<i>Shown in Hawaii 4/11/1967</i>
608	Dirty Sky	2/6/1966	Feldstein, Milton, Director of Technical Services, Bay Area Air Pollution Control District		"Air pollution now ranks as one of the great problems facing urban areas."	
609	Plague Lab	2/13/1966	Kartman, Dr. Leo, Scientist Director of the Communicable Disease Center, U.S. Public Health Center		"Joining the men of science whose job is constant vigilance in the battle against Plague."	
610	Refinery	2/20/1966	Sheehy, T.M., General Manager, Richmond Refinery, Standard Oil Company of California		"A look inside the fascinating and complex chemical world of petroleum refining."	
611	Aquarium	2/27/1966	Herald, Dr. Earl S., Superintendent-Curator, Steinhart Aquarium		"A visit behind the viewing glass and tanks of the Steinhart Aquarium."	<i>Shown in Hawaii 4/18/1967</i>

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612	Crash Research	3/6/1966	Case, Dr. Harry W., Associate Director, Institute of Transportation and Traffic Engineering		"Visiting scientists whose laboratory is the highway and whose studies may one day save your life."	
613	Criminalistics	3/13/1966	Kirk, Dr. Paul L., Professor of Criminalistics, University of California		"A study of how modern scientific methods are used in crime detection."	
614	Electron Microscope	3/23/1966	McAlear, Dr. James H., Executive Officer, University of California's Electron Microscope		"By using the tools of modern electronic science, new worlds are being discovered."	<i>Shown in Hawaii 4/25/1967</i>
615	Viticulture	3/30/1966	McColly, Don W., President and General Manager, Wine Institute		"Stretching back before recorded history, one of the world's oldest sciences."	
616	Test Pilot	4/6/1966	Cotton, Colonel Joseph F., Test Pilot, U.S. Air Force		"Join the scientists who stand at the very edge of space exploration."	<i>Shown in Hawaii 5/2/1967</i>
617	Science Center	4/13/1966	White, Dr. Harvey E., Director, Lawrence Hall of Science		"A visit to a fascinating and exciting science research center."	
618	Linear Accelerator	4/20/1966	Panofsky, Dr. Wolfgang K. H., Director, Stanford Linear Accelerator		"Journey to the edge of a new and exciting world, an incredibly tiny sub-universe."	<i>Shown in Hawaii 5/9/1967</i>
619	Safari for Science	4/27/1966	Ross, Dr. Edward S., Curator, Department of Entomology, California Academy of Sciences		"Joining a scientist as he collects and classifies specimens for a monograph."	<i>Shown in Hawaii 5/16/1967</i>
620	The Scientist	5/4/1966	Schawlow, Dr. Arthur L., Professor of Physics, Stanford University		"A candid portrait of a scientist."	<i>Shown in Hawaii 5/23/1967</i>
621	Anthropological Museum	5/11/1966	Bascom, Dr. William Russel, Director, Robert H. Lowie Museum of Anthropology, UC Berkeley		"What happens behind the scenes and exhibits of a most unusual museum."	<i>Shown in Hawaii 5/30/1967</i>
622	Salt Water without Salt	5/18/1966	Galstaun, Dr. Lionel S., Manager of Applied Technology, Bechtel Corporation		"One method of providing ample supplies of fresh water to a growing world."	<i>Shown in Hawaii 6/6/1967</i>
623	To Hear Again	5/25/1966	Sooy, Dr. Francis A., Professor and Chairman of Otolaryngology, University of California		"Delicate middle ear surgery is providing many with the return of hearing."	<i>Shown in Hawaii 6/13/1967</i>
624	The Flowering Desert	6/1/1966	Lindsay, Dr. George E., Director, California Academy of Sciences		"Journey to the realm of rare and unusual plants and flowers."	

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625	The Desert Dwellers	6/8/1966	Woodin, William H., Director, Arizona-Sonora Desert Museum		"Visit the Arizona-Sonora Desert Museum with its live animal collections."	
626	Marineland					