January-December 1954

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January

Date	Caption	Dept.	Photographer	
12-30-53	line graph	Levin Phys	H. Maile	
12-30-53	Brookhaven chppper (fast) and others	Levin	H. Maile	
12-30-53	Total mutations pr. petal vs. daily dose in roetgens	Singleton Biol	H. Maile	1-4-4
12-30-53	Example of a new mode of disentegration of the neutral n-meson	Goldhaber Physics	H. Maile	1-5-4
12-30-53	Total cross section vs. neutron energy	Sailor Reac	H. Maile	1-6-4
12 -30-53	Resonances per isotope vs. atomic nu.	Sailor	H. Maile	1-7-4
1-5-4	copy curve graph plot of critical mass versus radius, etc.	Manowitz Nuc. Eng.	R. Fuka	1-8-4
1-5-4	copy of table comparison of the worth of various applications of ionization power based on profit potential	Manowitz	R. Fuka	1-9-4
1-5-4	PM of autograph dark field	Shellabarger Medical	R. Smith	1-10-4 C1-10-4
1-5-4	PM of autograph bright field	Shellabarger	R. Smith	1-11-4 C1-11-4
1-5-4	COLOR PM of pathology tissue	Godwin	R. Smith	C 1-12-4
1-5	PM of path tissue	Godwin	R. Smith	1-13-4 C1-13-4
1-5	PM of path tissue	Godwin	R. Smith	1-14-4 C1-14-4
	PM path tissue			1-15-4 C1-15-4
	PM path tissue			1-16-4 C1-16-4
	PM path tissue			1-17-4 C1-17-4
	PM path tissue			1-18-4 C1-18-4
	PM path tissue			1-19-4 C1-19-4
1-5	PM path tissue			1-20-4 C1-20-4
1-5	PM path tissue			1-21-4 C1-21-4

1-21-4

Date	Caption	Dept.	Photographer	Number
1-5-4	PM path tissue	Godwin Med	R. Smith	1-22 -4 & Cl-22-4
1-5	PM path tissue			1-23-4 & Cl-23-4
1-5	PM path tissue			1-2 4-4 & Cl-24-4
1-5	PM path tissue			1-25-4 & Cl-25-4
1-5	PM path tissue			1-26-4 & Cl-26-4
1-5	PM path tissue			1-27-4 & Cl-2 7-4
1-5	PM path tissue			1-28-4 & Cl-28-4
12-31-53	Fast chopper in test pit	Seidl Physics	~~Smidky~~ J.F. Garfield	1-29-4 thru 1-31-4
1-5	Cosmotron exhibit	Mede Cosmo	R. Walton	1-32-4
12-30-53	Borescope	Rand Reac	R. Walton	1-33-4
1-6-	Root tip 3A 81-A	Bowen, C.C. Biol	R. S mith	1-34-4
1-6	Root tip 3A81-B			1-35-4
1-6	Root tip 3A8-3A			1-36-4
1-6	Root tip 3A 8-3B			1-37-4
1-6	Root tip 3DR48-4A			1-38-4
1-6	Root tip 3DR48-4B			1-39-4
1-6	Root tip 3DR48-2A			1-40-4
1-6	Root tip 3DR48-2B			1-41-4
1-6	Root tip 3CR48-4A			1-42-4
1-6	Root tip 3CR48-4B			1-43-4
1-6	Root tip 3D8-4A			1-44-4
1-6	Root tip 3D8-4B			1-45-4
1-6	Root tip 3D8-2A			1-46-4
1-6	Root tip 3D8-2B			1-47-4
1-6	Root tip 3D8-1A			1-48-4
1-6	Root tip 3D8-1B			1-49-4
1-6	Root tip 3C8-4A			1-50-4
1-6	Root tip 3C8-4B			1-51-4
1-6	Root tip 3C8-2A			1-62-4

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1-6	Root tip 3C8-2B	C.C.Bowen Biol	R. S mith	1-53-4
1-6	Root tip 3C8-1A			1-54-4
1-6	Root tip 3C8-1B			1-55-4
1-6	Root tip 3A 8-4A			1-56-4
1-6	Root tip 3A8-4B			1-57-4
1-6	Preliminary site plan	Finn Med	R. Fuka	1-58-4
1-6	Research hospital	Finn	R. Fuka	1-59-4
1-6	Schematic	F inn	R. Fuka	1-60-4
1-6	Floor plan layout	Finn	R. Fuka	1-61-4
1-6	Schematic plan	Finn	R. Fuka	1-62-4
12-20-53	Front end of sweeper	O' Conner Safety	R. Walton	1-63-4 & 1-64-4
11-20-53	Gamma field acute irradiation	Sahairer Biol	Schairer	1-65-4 thru 1-68-4
12-30-53	Shielding blocks and work area	Cosmo Collins	R. Walton	1-69-4 & 1-70-4
12-17-53	Completed loop assembly	Turovlin Nuc. Eng.	R. Walton	1-71-4
12-30-53	COLOR mutation carnation & 1 corn	Singleton	R. Walton	C1-72-4 & C1-73-4
1-7	graphs MEQ Na + K etc.	Dahl Medical	M. Bull	1-74-4 & 1-75-4
1-7	Pulse height (volts) vs. counting volt	Alberger Physics	M. Bull	1-76-4
1-7	Cms angle vs lab angle etc	Shutt Phys	M. Bull	1-77-4
1-7	Graph-average weather N.Y. Times	S ingleton Biol	M. Bull	1-78-4
1-7	Wraph Umax	Weston Chem	M. Bull	1-79-4
1-7	Resonances N--8	Courant ~~Phys~~ Cosmo	M. Bull	1-80-4
1-7	Energy loss in hydrogen vs. momenta	Whittemore Physics	M. Bull	1-81-4

Date	Caption	Dept.	Photographer	Number
1-7-54	Rel tive ionization (in hydrogen) vs. momentum in BEV/c	Whittemore Phys	M. Herbert	1-82 -4
1-8	Typed table final anatomic diagnosis	Godwin Med	R. Fuka	1-83-4
1-8-	Copy of prints	Burt	R. Fuka	1-84-4 thru 1-88-4
1-8	Copy from "Life"	B urt	R. Fuka	1-89-4 thru 1-94-4
1-9	Line Drawing " Thermal Neutron etc."	Bull	Farr	1-95-4
1-10	Pulse shots (Polaroid) , copies of s ame.	Bull	McKeown	1-96-4 thru 1-98-4
~~1-10~~ 1-8	Somatic mutations in carnations white red spots on petals graph	Singleton Biol	M. Bull	1-99-4
1-12	Pulse shot (Polaroid)	Schardt	Bull	1-100-4
1-12	Sprinkler line to test shack	Ruddy	J.F. Garfield	1-101-4 thru 1-103-4
1-13	Europium	Wood Reactpr	M. Bull	1-104-4 & 1-105-4
1-13	Europium decay	Wood	M. Bull	1-106-4
1-13	s ite plans for Med. Dept	Finn Med.	M. Bull	1-107-4 & 1-108-4
1-7	COLOR Corn seedlings in beds taken in greenhouse	Singleton B iol	R. Walton	~~C1-109-4~~ C1-109-4 thru C1-113-4
1-14	Recessive Lethal Heterozygates	Heidenthal Biol	M. Herbert	1-114-4
1-14	Controls	Heidenthal Biol	M. Herbert	1-115-4

Date	Caption	Dept.	Photographer	Number
1-7	Ion beam tube on inside of electro-static generator	Turner Physics	R. Walton	1-116-4
1-11	Corrosion test samples	Littman Hot Lab	R. Walton	1-117-4 thru ~~1-120~~ 1-120-4
1-14	Portrait Dr. Gidez Med	Burt	A. Christoffersen	1-121-4
1-14	P.M. of radioautograph plant tissue	Biology Stonier	Smith	1-122-4
1-15	Experimental arrangement at the Cosmotron	Cosmotron	Bull	1-123-4
1-15	Sketch of Cosmotron beams	"	"	1-124-4
1-15	X-rays and Androgenesis Plate 1	Heidenthal Biol	M. Bull	1-125-4
1-13	Close-up of mutant snapdragon bud	Sparrow Biol	R. Walton	1-126-4 & 1-127-4
1-15	Atomic weight vs. Γy in EV	Harvey Physics	M. Bull	1-128-4
1-15	Spin (I)	Harvey	M. Bull	1-129-4
1-15	Electron recoil angular etc.	Rustad Physics	M. Bull	1-130-4 thru 1-132-4
1-15	line drawings	Hill Phys	M. Bull	1-133-4 thru 1-142-4
1-8	Corn mutants	Singleton	R. Walton	1-143-4 thru 1-148-4
1-15	Processing scheme for the handling of high level waste	Pallas Nuc. Eng.	M. Bull	1-149-4

1-149-4

Date	Caption	Dept.	Photographer	Number
1-15	PM of chromosomes	Konzak Biol	R. Smith	1-150-4 thru 1-158-4
1-15	PM of eye	Saunders Biol	R. Smith	1-159-4 thru 1-166-4
1-15	PM of pathology tissue	Saunders	R. Smith	1-167-4 thru 1-172-4
1-15	COLOR PM of eye	Saunders	R. Smith	C1-173-4 thru C1-176-4
1-18	Copy negs of submarine by atomic energy pop. nucleonics - atomic power. 177 - power plant. 178 missiles & aircraft 179 - sub & pow applications	Burt	M. Bull	1-177-4 thru 1-179-4
1-18	Copy typed table ~~dziz~~ disintegration scheme	Goldhaber Phys	M. Bull	1-180-4
1-18	Pulse copy neg.	McKeown	M. Bull	1-181-4
1-19	copy curve graphs	Brockhouse Reactor	M. Bull	1-182-4 & 1-183-4
1-19	copy drawing circles	Brockhouse	M. Bull	1-184-4 & 1-185-4
1-19	Curve graph copy	Rustad Phys	M. Bull	1-186-4
1-19	Impeller housing	Littman Hot Lab.	R. Smith	1-187-4 thru 1-189-4
1-19	PM of autograph	Shellabarger Med	R. Smith	1-190-4 C1-190-4
1-19	PM of corn pollen	Singleton Biol	R. Smith	1-191-4

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1-19	Recoil loss of F^{18} etc.	Wolfgang Chem	M. Bull	1-201-4
1-19	Recoil loss of Na^{24} etc.	Wolfg ng	M. Bull	1-202-4
1-19	graph	Wolfgang	M. Bull	1-203-4
1-19	Proton energy -Bev vs. Millibarns	Duffield Chem	M. Bull	1-204-4
1-19	Decay of alpha activity induced in gold by 2.2 bev. protons	Duffield	M. Bull	1-205-4
1-19	Directional correlation	Mihelich Physics	M. Bull	1-206-4 & 1-207-4
1-19	Photon spectrum of neutron activated enriched Hf^{179}	Mihelich	M. Bull	1-208-4
1-19	Graph- Aluminum	Leavett Cosmo	M. Bull	1-209-4
1-19	Graph -Carbon	Leavett	M. Bull	1-210-4
1-19	Graph-Beryllium	Leavett	M. Bull	1-211-4
1-19	Graph-Lead	Leavett	M. Bull	1-212-4
1-19	Graph-Copper	Lea vett	M. Bull	1-213-4
1-19	Fraction of events	Leavett	M. Bull	1-214-4
1-19	Cu absorption curve	Leavett	M. Bull	1-215-4
1-19	Expeeimental arrangement at the cosmo	Leavett	M. Bull	1-216-4
1-19	Barns vs. subtended half angle bery.	Leavett	M. Bull	1-217-4
1-19	Barns vs. substended half angle copper	Leavett	M. Bull	1-218-4
1-19	Barns vs. sub. half angle lead	Leavett	M. Bull	1-219-4
1-19	Barns vs. subtended half ang. Tin	Leavett	M. Bull	1-220-4
1-19	barns vs. sub. half ang. lead	Leavett	M. Bull	1-221-4
1-19	Graph Meson spectra produced by 1.0 bev protons incident on be observed at 32° lab angle	Yuan Cosmo	M. Bull	1-222-4
1-19	Graph Cm system meson energy spect. etc.	Yuan	M. Bull	1-223-4
1-20	Log molar concentration arsenite	Gibbs Biol	[illegible]	1-224-4
1-20	COLOR Carnation	Singleton	R. [illegible]	C1-225-4
1-20	COLOR Brain tissue	Krueger Med.	R. Smith	C1-226-4

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1-20	Color Pink VI-2,Br-B-T	Bio	Walton	C1-227-4
1-20	COLOR Red-11-3, Br-E-T			C1-228-4
1-20	COLOR Red-IX-3, Br-C-T			C1-229-4
	COLOR Wh-II-2, Br-C-T			C1-230-4
	COLOR Peppermint I			C1-231-4
	COLOR Red-X-2, BR-E-LAT 2			C1-232-4
	COLOR Pink-VI-I, BR-E-T			C1-233-4
	COLOR Red-IX-3, BR-C-T			C1-234-4
	COLOR Group of carnations			C1-235-4
	COLOR, PeppermintI			C1-236-4
	COLOR, Pink-VI-2, BR-B-T			C1-237-4
	COLOR,WH-II-2, BR-C-T			C1-238-4
	COLOR , WH-IX-1, BR-D-LAT 2			C1-239-4
	COLOR, RED-11-3, BR-E-T			C1-240-4
1/20	Copy ofrevised czalid ptint of rescearch area, cosomotron	Cosmo	Bull	1/241/4
1-8	Rigging columbia cloud chamber at into corn crib	Moore Cosmo	J.F. Garfield	1-242-4 thru 1-244-4
1-17	Cosmotron back yard	Collins	J.F. Garfield	1-245-4
1-20	Number of nucleons ejected, threshold energy , peak energy	Duffield Chem	M. Bull	1-246-4
1-20	Half life and expected half life	Duffield	M. Bull	1-247-4
1-20	2.5 bev protons on bismuth	Duffield	M. Bull	1-248-4
1-20	2.2. bev protons on bismuth etc.	Duffield	M. Bull	1-249-4
1-20	Equation	Foote Reactor	M. Bull	1-250-4
1-20	Formation cross sections for spallation products of copper	Friedlander Chem	M. Bull	1-251-4
1-20	Formation cross sections as a function of A for constant Z	Friedlander	M. Bull	1-252-4
1-20	Formation cross section per mass number as a function of A	Friedlander	M. Bull	1-253-4

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1-20	Distribution of radio-active products isolated	Friedlander Chem	M. Bull	1-254-4
1-20	Distribution of experimental cross sections about most probable Z for each A	Friedlander	M. Bull	1-255-4
1-20	Graph Case 1	Courant Cosmo	M. Bull	1-256-4 & 1-257-4
1-20	block diagram of electronics	Rustad Phys	M. Bull	1-258-4
1-29	Angular correlation coefficient a vs.	Rustad	M. Bull	1-259-4
1-20	Angular correlation coefficient	Rustad	M. Bull	1-260-4
1-20	Pulse height in volts vs. counting rate	Rustad	M. Bull	1-261-4
1-20	Calibration curve for the beta scintillation spectrometer	Rustad	M. Bull	1-262-4
1-18	General view of model magnet foundation	A.G.S. Caulton	R. Walton	1-263-4 & 1-264-4
1-19	crystal formation	Anderson Chem	R. Walton	1-265-4
1-19	Glass tube liquid waste experiment	Manowitz Nuc. Eng.	R. Walton	1-266-4
1-18	Stripping down cyclotron	Healy Cyc-Phy	R. Walton	1-267-4 thru 1-279-4
1-20	Bi 0.75 bev spec prints	Duffield Chem	P. BenNETT	1-280-4
1-20	B i decoils spec print	Duffield	P. Bennett	1-281-4
1-20	Bi deciuks soec print	Duffield	P. Bennett	1-282-4
1-20	Cs 137 spec print	Duffield	P. Bennett	1-283-4
1-20	Polaroid pulses	Mihelich Physics	P. Bennett	1-284-4
1/22/54	Organisms which resist other antibiotics	Moses Biology	Fuka	1-285-4
1-21	Intensities of magnetics peaks in CuO	Brockhouse Reactor	R. Fuka	1-286-4

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1-21	Relative population ratios for the Isomeric state of Eu 125 for various energy level excited	Wood Reactor	R. Fuka	1-287-4
1-21	Cross sections for aluminum spallation products	Hudis Chem	R. Fuka	1-288-4
1-20	Kodalith pulse prints with grid	Schardt Elec	P. Bennett	1-289-4
1-20	Grid	Schardt	P. Bennett	1-290-4
1-22	Graph	Levy Phys	R. Fuka	1-291-4
1-22	Hospital rooms layout	Finn Med.	R. Fuka	1-292-4
1-21	PM of field of pollen moth cells (Trillium) 310X Slide A5890E	Sparrow Biol	R. Smith	1-293-4
1-19	Mouse brains tumor with boron-Phase contrast	Moses Biol	R. Smith	1-294-4 & 1-295-4
1-19	Mouse brain tumor with boron (stain)	Moses	R. Smith	1-296-4 & 1297-4
1-19	Mouse brain tumor with boron (bright field)	Moses	R. Smith	1-298-4 & 1-299-4
1-25	Fig. 1 Basic map, Topography	de Laguna Geology	R. Fuka	1-300-4
1-25	Fig 2 Terrain diagram	deLaguna	R. Fuka	1-301-4
1-25	Fig 3 Basic data, geology	deLaguna	R. Fuka	1-302-4
1-25	Fig 4 Terrain diagram	deLaguna	R. Fuka	1-303-4
1-25	Fig 5. Predictsble limits of existing water supplies	deLaguna	R. Fuka	1-304-4
1-25	Fig. 6 Undeveloped water supplies that could be made available	deLaguna	R. Fuka	1-305-4
1-25	Map-San Fernando Pt.	deLaguna	R. Fuka	1-306-4

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1-25	Map- Naguilian	deLaguna	R. Fuka	1-307-4
1-25	Preliminary profile of Kujukuri-Hama (Beach)	deLaguna	R. Fuka	1-308-4
1-25	Map-San fernando harbor	deLaguna	R. Fuka	1-309-4
1-25	Map summary of terrain situation-Cebu	deLaguna	R. Fuka	1-310-4
1-25	Table-surface water	deLaguna	R. Fuka	1-311-4
1-25	Map-Road construction and maintenance Cebu Island Sheet III	deLaguna	R. Fuka	1-312-4
1-25	Map-Water supply:General features Cebu	deLaguna	R. Fuka	1-313-4
1-25	Map sketch map san Fernando and vicinity Luzon	deLaguna	R. Fuka	1-314-4
1-25	Map-Terrain appreciation Cebu	deLaguna	R. Fuka	1-315-4
1-25	Map-Vegatation Cebu	deLaguna	R. Fuka	~~1-316-4~~ 1-316-4
1-25	Map-Cebu Island Sheet III	deLaguna	R. Fuka	1-317-4
1-25	Table-Cebu Sheet III Terrain appreciation	"	R. Fuka	1-318-4
1-25	Table-Cebu Terrain appreciation	deLaguna	R. Fuka	1-319-4
1-25	Table Road construction and maintenance Cebu	deLaguna	R. Fuka	1-320-4
1-25	Map Cebu island Sheet III construction materials	deLaguna	R. Fuka	1-321-4
1-25	Table of contents	deLaguna	R. Fuka	1-322-4
1-25	beryllium	Chen cosmo	M. Bull	1-323-4
1-25	~~xxxxx~~ line graph	Chen	M. Bull	1-324-4
1-25	~~xRustadx~~ Kurie plot of He_6 spectrum	Rustad	M. Bull	1-325-4
1-22	Diffraction scattering uniform sphere model	Hill Phys	H. Maile	1-326-4
1-22	Nuclear radius vs. A 1/3	Hill	H. Maile	1-327-4
1-22	Graph- KR vs etc.	Hill	H. Maile	1-328-4
1-22	Uniform sphere model opacity vs. KR	Hill	H. Maile	1-329-4

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1-25	Drosophila melonogaster	King Biol	M. Bull	1-330-4
1-25	Case 7-1 N - 1.2	Courant ~~Phys~~ COSMOTRON	M. Bull	1-331-4
1-25	Case 7.2 N-2.4426	Courant	M. Bull	1-332-4
1-25	Case 7.2 N-1.6	Courant	M. Bull	1-333-4
1-25	Total -p cross section (Oct. 6,1953	Collins	M. Bull	1-334-4
1-25	Schematic	Collins	M. Bull	1-335-4
1-25	Frequencies of types of seeding mutants induced in dormant seeds of barley irradiated with x-rays and thermal neutrosn	Caldecott Biol	M. Bull	1-336-4
1-25	Frequencies of interchange types persisting to microscopic germinises from dormant seeds of barley treated with X-rays and thermal neutrons	Caldecott	M. Bull	1-337-4
1-20	COLOR Radiated crystals	Anderson Chem	R. Walton	C1-338-4 & C1-339-4
1-23	Plant growth copy neg	Caldecott Biol	M. Bull	1-340-4
1-23	Interval conversion electrons of Hf 180M	Mihelich Physics	M. Bull	1-341-4
1-26	Relative cross section per mev /c per unit solid angle	Collins Cosmo	H. Maile	1-342-4
1-26	Case 7-1 n-2.4436	Courant ~~Phys~~ COSMO	H. Maile	1-343-4
1-26	n-n and n-p cross sections at 1.4 bev	Hill Phys	H. Maile	1-344-4
1-26	Nuclear cross sections for neutron of mean energy 1.4 Bev	Hill	H. Maile	1-345-4
1-26	Determination of a from coincidence rate	Rustad Phys	H. Maile	1-346-4
	[illegible] hamiltonian	Rustad	H. Maile	1-347-4

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1-26	He 6 - 116beta ~~yx~~ transition	Rustad	H, Maile	1-348-4
1-26	Schematic diagram	Rustad	H. Maile	1-349-4
1-26	Coincidence rate rt(w18) calculated for the tensor interaction	Rustad	H. Maile	1-350-4
1-26	Kurie plot he 6 spectrum etc	Rustad	H. Maile	1-351-4
1-26	He 6 beta spectrum and kurie plot etc.	Rustad	H. Maile	1-352-4
1-26	Beta scintillations pectrometer	Rustad	H. Maile	1-353-4
1-27	Diffusion coefficient of C in a-iron as a function of 1/T	Dienes Physics	R. Fuka	1-354-4
1-22	Van de Graff generator Ion chamber	Turner Phys	R. Walton	1-355-4
1-22	Spray needle on Ion chamber Van de Graaff generator	Turner	R. Walton	1-356-4
1-22	Van de Graff generator-Ion chamber connector	Turner	R. Walton	1-357-4
1-22	Liquid metal heat transfer-heating element	Hoe Nuc. Eng.	R. Walton	1-358-4 & 1-359-4
1-22	Liquid metal heat transfer	Hoe	R. Walton	1-360-4 & 1-361-4
1-22	Liquid metal heat transfer-thermocouple	HHoe	R. Walton	1-362-4 & 1-363-4
1-22	Liquid metal heat transfer-control s section	Hoe	R. Walton	1-364-4
1-22	Liquid metal heat transfer-recording instruments	Ho e	R. Walton	1-365-4
1-27	PM of path tissue	Saunders Biol	R. Smith	1-366-4 thru 1-371-4
1-27	PM of corn pollen	Singleton	R. Smith	1-372-4 & 1-373-4
1-27	Cooling unit	Healey Cyc.	R. Smith	1-374-4 & 1-375-4

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1-27	curve graph for slide	Mihelich Phys	M. Bull	1-376-4
1-27	Atomic weight of target nucleus	Harvey Phys	M. Maile	1-377-4
1-27	Photomultiplier	~~Harvey~~ Pielevsky Phys	H. Maile	1-378-4
1-27	Spin (1) of target nucleus	Harvey	H. Maile	1-379-4
1-28	Diagram of proton and gamma ray counters	Allberger ~~Fuka~~ Phys	Fuka ~~Allberger~~	1-380-4
"	Schematic diagram of experimental arrangement	Allberger ~~Fuka~~	Fuka ~~Allberger~~	1-381-4
"	Diagram of spectrometer	Allberger	Fuka	1-382-4
"	Diagram-yield	Allberger	Fuka	1-383-4
"	Diagram	Allberger	Fuka	1-384-4
"	Diagram - pair converter foil etc.	Allberger	Fuka	1-385-4
"	Diagram - No caption	Allberger	Fuka	1-386-4
"	Diagram - spectrometer	Allberger	Fuka	1-387-4
1-29	Proposed medical site	Farr	P. Bennett	1-388-4

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Date	Caption	Dept.	Photographer	Number
1-28	Automotive storeroom	Walsh T-160	R. Walton	2-1-4 & 2-2-4
1-28	Metals warehouse	Walsh	R. Walton	2-3-4 & 2-4-4
1-27	COLOR Mouse brain tumors	Kreuger Medical	R. Smith	C2-5-4 thru C2-22-4
1-28	Experimental set up to determine ability of clay pellets to absorb radioactive waste	Burt Hot Lab.	R. Walton	2-23-4
1-28	Daily press reporter getting a patients slant on counting procedures	Burt Medical	R. Walton	2-24-4
1-27	Weld sample for corrosion test: ~~Nxxx3x~~	Littman ~~Hot Lab.~~ NUC ENG.	R. Walton	
	No. 3			2-25-4
	No. 4			2-26-4
	No. 5			2-27-4
	test B			2-28-4
	test A			2-29-4
1-27	Weld samples for corrosion test	Littman	R. Walton	2-30-4
1-27	Assembled product before corrosion test	Littman	R. Walton	2-31-4
1-28	Children in Occupational Therapy	Burt Medical	R. Walton	2-32-4 & 2-33-4
1-27	Cyclotron console	Healey Cycl	R. Walton	2-34-4
2-2	Mesons - copy from slide	Salant Phys	H. Maile	2-35-4 thru 2-37-4
2-2	Schematic diagram- copy from slide	Salant	H. Maile	2-38-4
2-2	Control adults x-rayed adults	King Biol	H. Maile	2-39-4
2-2	Control adults DNP fed adults	King	H. Maile	2-40-4
2-2	Radiation from tissue & medium	King	H. Maile	2-41-4
2-2	ug Phosphorus	King	H. Maile	2-42-4

Date	Caption	Dept.	Photographer	Number
2-3	Chromatogra ms	Steffenson Biol	R. Fuka	2-43-4 thru 2-45-4
2/3	Slide # A-30-C	Sparrow	R. Smith	2-46-4
2-3	Corrosion samples	Klamut Metal	R. Walton	2-47-4 & 2-48-4
2-3	copy Schematic cross section of 60" permanent magnet	Corngold Phys	Maile, Lasky	2-49-4
2-3	copy-Schematic flopping loop for neutron resonance	Corngold	Maile, Lasky	2-50-4
2-3	Copy Schematic cross section of 14" neutron polarizer	Corngold	Maile, Lasky	2-51-4
2-3	copy curve graph mirror cut-off and emergent beam velocity spectrum	Corngold	Maile, Lasky	2-52-4
2-3	copy- curve graph typical drift curve for permanent ma gnet	Corngold	Maile, Lasky	2-53-4
2-3	copy-schematic graphite filter for sampling liquid metals	Weeks Nuc. Eng.	Maile, Lasky	2-54-4
2-3	copy-schematic liquid metal solubility apparatus	Weeks	Maile, Lasky	2-55-4
2-3	copy- curve graph micron data	Schuler Chemistry	Maile, Lasky	2-56-4
2-3	Science Mag. Jan 1, 1954 (copy negs):	Burt	Maile, Lasky	
	Fig. 1, Page 5			2-57-4
	Fig 2, page 6			2-58-4
	Table 2, Page 6			2-59-4
	Table 3, page 7			2-60-4
	Fig. 1, page 10			2-61-4
	Fig. 2, page 10			2-62-4
	Fig. 6, page 11			2-63-4
	Fig. 15, page 14			2-64-4
	Fig 16, page 14			2-65-4
	Fig. 1, page 22			2-66-4
	Fig. 2, page 22			2-67-4
	Fig. 5, page 24			2-68-4

Date	Caption	Dept.	Photographer	Number
2-3	Fig. 3, page 110 Zeitschrift Fur etc.	Kaplan Nuc. Eng.	Maile, Lasky	2-69-4
2-3	Page. 1386 Fig. 219.3 radiochemical studies, The Fission Products Book 3	Kaplan	Maile, Lasky	2-70-4
2-3	Optical Crystallography : Pag. 9, Fig. 18	Kuhl Nuc. Eng	Maile, Lasky	2-71-4
	Page 8, Fig. 17	"	" "	2-72-4
2-3	Chart for back reflection photographs page 70 Metallurgy and metallurgical engineering series	Kammerer Nuc. Eng.	Maile	2-73-4
2-3	Resources for freedom, Vol III page 33	Burt	Maile, Lasky	2-74-4
2-3	Resources for Freedom Vol I page 105	Burt	Maile, Lasky	2-75-4
2-3	Resources for Freedom Vol I page 119	Burt	Maile, Lasky	2-76-4
2-3	copy from Photostat neg. diagram	Burt	Bennett	2-77-4
2-5	a block of metal under shear stress P	Dienes Phys	H. Maile	2-78-4
2-3	West file windows	Burt	R. Walton	2-79-4
2-4	Treatment of thyroid	Shellabarger Med	H. Maile	2-80-4
2-4	Thyroid weight & thyroid uptake	Shellabarger	Maile	2-81-4
2-4	Per cent uptake vs. hours post-isotope	Shellabarger	Maile	2-82-4
2-4	Periodic chart of VII A	Shellabarger	Maile	2-83-4
2-4	Hrs. between isotope admin. & sacrifice	Shellabarger	Maile	2-84-4
2-4	Methyl methacrylate polymerization etc.	Ballentine Nuc. Eng.	Maile	2-85-4 thru 2-87-4
2-4	Styrene polymerization etc.	Ballentine	Maile	2-88-4 thru 2-90-4
2-4	Gamma ray initiated polymerization	Ballentine	Maile	2-91-4
2-4	line drawings Log K etc.	Weston Chem	H. Maile	2-92-4 thru 2-94-4

Date	Caption	Dept.	Photographer	Number
2-5	Schematic	Klamut Metal	H. Maile	2-95-4
2-8	Experimental RCA atomic battery	Burt	H. Maile	2-96-4
2-8	Magnified model of the 2 basic elements of experimental RCA atomic battery	Burt	H. Maile	2-97-4
2-8	Pulses	Schardt Elec	H. Maile	2-98-4
2-9	Wiring diagram, pulse height analyzer	Schardt Elec.	H. Maile	2-99-4
2-9	Freq. of Sex-linked recessive lethals	King Biol	H. Maile	2-100-4
2-4	Immersion stick containing thermocouples for liquid ~~mk~~ metals heat transfer experi.	Hoe Nuc. Eng	R. Walton	2-101-4
2-4	Heat exchange unit for liquid metals transfer experiment	Hoe	R. Walton	2-102-4
1-28	Active source in the "pool"	Hittman Nuc. Eng.	R. Walton	2-103-4 & 2-104-4
2-7	copy curve graph	Manowitz Nuc. Eng.	A. Lasky	2-105-4
2-7	Decontamination factor vs. boil up rate vertical tube evaporater	Manowitz	H. Maile	2-106-4
2-10	PM of cancerous & normal rat kidney	Godwin Med	R. Smith	2-107-4
2-10	Gross photo of cancerous stomach of rat	Godwin	R. Smith	2-108-4
1-15	Carnations pink-X-3 br-d-t	Shapiro	R. Walton	C2-109-4
1-15	Carnations ~~pinkXx~~ pink-IV-3 br-d-t-	Shapiro	R. Walton	C2-110-4
1-29	A12 4-E 1152X A124-E 1152X A124E- 1152X A124E-1152x A124E 1152X A124E 1152X	Sparrow	R. Smith	2-111-4 2-112-4 2-113-4 2-114-4 2-115-4 2-116-4 thru 2-122-4

Date	Caption	Dept.	Photographer	Number
1-29	PM chromo A124E- 620X	Sparrow	R. Smith	2-123-4 & 2-124-4
1-29	A124E 130X A124E 720X			2-125-4 2-126-4 & 2-127-4
	A5953C 1152X			2-128-4 thru 2-131-4
	A5953D 1152X			2-132-4 thru 2-134-4
2-10	PM of plant cells from willow	Shapiro	R. Smith	C2-134-4 C2-135-4
1-28	Mutation in red carnation COLOR	Singleton	R. Walton	C2-136-4
2-4	Rain recorder	R. Brown Meteor.	R. Walton	2-137-4 thru 2-139-4
2-4	Rain gauges	Brown	R. Walton	2-140-4 & 2-141-4
2-4	Precipitation notices mounted on roof	Brown	R. Walton	2-142-4 & 2-143-4
2-10	PM of pollen grains	Singleton Biol	R. Smith	2-144-4
2-9	Fig. 1	Shutt Phys	H. Maile	2-145-4
2-9	Fig. 3	Shutt	H. Maile	2-146-4
2-9	Fig. 4	Shutt	H.Maile	2-147-4
2-9	Fig. 6	Shutt	H. Maile	2-148-4
2-9	Fig. 7	Shutt	H. Maile	2-149-4
2-9	Schematic of cloud chamber	Shutt	H. Maile	2-150-4
2-9	Fig. 2	Shutt	H. Maile	2-151-4
2-10	PM of path tissue	Saunders Biol	R. Smith	2-152-4 thru 2-162-4
2-8	composite	deLaguna Geol	H. Maile	2-163-4

2-164-4

Date	Caption	Dept.	Photographer	Number
2-9	**Tobacco plant**	Sparrow Biol	R. Walton	2-165-4 thru 2-178-4
2-10	Portrait Lou Friedman	Friedman Chem	H. Garfield	2-179-4 & 2-180-4
2-15	Transmission thru Sm filters of neutron beam containing varying half-wavelength contamination	Keating Physics	H. Maile	2-181-4
2-15	Cumulative excretion of fed glucose carbon as Co_2	Edelman Biol	H. Maile	2-182-4
2-15	Electron recoil ion correlation	Rustad Phys	H. Maile	2-183-4
2-15	6014 Material testing reactor	Burt Berkner	H. Maile	2-184-4
2-15	copy of blood in tubes	Orlowski	H. Maile	2-185-4
2--16	malignant tissue with boron, #1	Kruger MEDICAL	Smith	2-186-4
2-16	" " " " , #2	"	"	2-187-4
2-16	" " " " ,#3	"	"	2-188-4
2-16	" " " " #4	"	"	2-189-4
2-16	" " " " #5	"	"	2-190-4
2-16	" " " " #6	"	"	2-191-4
2-16	" " " " #7	"	"	2-192-4
2-16	" " " " #8	"	"	2-193-4
2-16	" " " " #9	"	"	2-194-4
2-16	" " " " #10	"	"	2-195-4
2-16	" " " " #11	"	"	2-196-4
2-16	" " " " #12	"	"	2-197-4
2-16	Table 10 BNL 229	Ballantine	Herbert	2-198-4
2-16	Table, Fig 4 BNL 229	Ballantine	Herbert	2-199-4

Date	Caption	Dept.	Photographer	Number
2/9/54	Mutated Carnations	Biology Singleton	Walton	C2-200-4
	"	"	"	C2-201-4
2/8/54	Radiated Tobacco Plants from Gamma Greenhouse - varying dosages	Biology Spaorrw	Walton	C2-202-4 thru ~~C2-203-4~~ C2-212-4
2-17	Carnations COLOR	Singleton	R. Smith	C2-213-4 & C2-214-4
2-17	Path tissue, COLOR	Saunders	R. Smith	C2-215-4 thru C2-219-4
2-17	PM of chromosomes 1152 X	Konzak	R. Smith	2-220-4
2-17	PM of chromosomes 720X	Konzak	R. Smith	2-221-4
2-17	Alpha tracks	Godwin	R. Smith	2-222-4
2-17	PM of chromosomes 720X Slide # 201-3-2	Steffenson Biol	R. Smith	2-223-4
2-17	Singles spectrum of copper	Reier Reactor	R. Fuka	2-224-4
2-17	Vanadium singles capture spectrum	Reier	R. Fuka	2-225-4
2-17	Singles spectrum of cobalt	Reier	R. Fuka	2-226-4
2-17	Fast coincidence output followed by sweep pulse	Reier	R. Fuka	2-227-4
2-17	Singles spectrum of tit anium	Reier	R. Fuka	2-228-4
2-17	Coincidence spectrum of cobalt	Reier	R. Fuka	2-229½4
2-17	Coincidence spectrum of Iron	Reier	R. Fuka	2-230-4
2-17	Coincidence spectrum of chromium	Reier	R. Fuka	2-231-4
2-17	Singles spectrum of chromium	Reier	R. Fuka	2-232-4
2-17	Singles spectrum of Na 24	Reier	R. Fuka	2-233-4
2-17	Coincidence spectrum of titanium	Reier	R. Fuka	2-234-4
2-17	Coincidence spectrum of Na 24, Co 60, Cs 137	Reier	R. Fuka	2-235-4
2-17	Singles spectrum of Iodine	Reier	R. Fuka	2-236-4

Date	Caption	Dept.	Photographer	Number
2-17	Singles spectrum of Iron	Reier	R. Fuka	2-237-4
2-17	Singles spectrum of manganese	Reier	R. Fuka	2-238-4
2-17	Singles spectrum of gold	Reier	R. Fuka	2-239-4
2-17	Copy curve graph	Weeks Nuc. Eng.	A. Lssky	2-240-4
2-15	Tumors in tobacco plants COLOR	Sparrow	R. Walton	C2-241-4 thru C2-244-4
2-10	A-375-D B-28-N 30.7/118.0 X49.4/121.8 Mag. 1152X	Sparrow	R. Smith	2-245-4
2-10	A 2029 Q B-28-N 17.3/114.6 X57/105.6 Mag. 320X	Sparrow	R. Smith	2-246-4
2-10	A-89-F B-28-N 36.3/110.2 X54.6/114.4 Mag. 720X	Sparrow	R. Smith	2-247-4
2-10	A-89-F B-28-N 40.4/113.7 X54.6/114.4 Mag. 160X	Sparrow	R. Smith	2-248-4
2-10	A-917-C B-28-N 24.2/120.9 X60.1/118.8 Mag. 1152X	Sparrow	R. Smith	2-249-4
2-10	A-917-C B-28-N 27.5/105.4 X60.1/118.8 Mag. 1152X	Sparrow	R. Smith	2-250-4
2-10	A-917-C B-28-N 23.4/112.8 X60.1/118.8 Mag. 1152 X	Sparrow	R. Smith	2-251-4
2-10	A-917-C B-28-N 33.7/110.5 X60.1/118.8 Mag 1152 X	Sparrow	R. Smith	2-252-4
2-10	A-2772-C B-28-N 36.0/113.2 X50.0/122.3 Mag. 256 X	Sparrow	R. Smith	2-253-4
2-10	A-2772-C B-28-N 37.1/114.2 X50.0/122.3 Mag. 1152 X	Sparrow	R. Smith	2-254-4
2-10	A-117-E B-28-N 33.5/119.8 X8.5/121/9 Mag. 1152 X	Sparrow	R. Smith	2-255-4
2-10	A-117-E B-28-N 34.5/108.7 X8.5/121.9 Mag. 512 X	Sparrow	R. Smith	2-2560-4
2-10	A-2360-E B-28-N 24.7/114.1 X 59.6/122.8 Mag. 160X	Sparrow	R. Smith	2-257-4
2-10	A-2360-E B-28-N 21.4/109.7 X 59.6/122.8 Mag. 160X	Sparrow	R. Smith	2-258-4
2-10	A-936-M B-28-N 47.4/107.7 X 57.4/121.4 Mag. 1152X	Sparrow	R. Smith	2-259-4

Date	Caption	Dept.	Photographer	Number
2-10	A-5188-D No reading No X Mag 160X	Sparrow	R. Smith	2-260-4
2-10	A-5188-D No reading No X Mag. 320X	Sparrow	R. Smith	2-261-4
2-10	A-672-B B-25-N 40.0/117.7 No X Mag. 800X Phase contrast	Sparrow	R. Smith	2-262-4
2-10	A-672-B B-25-N 40.0/117.7 No X Mag. 800X Phase contrast	Sparrow	R. Smith	2-263-4
2-10	A-124-E B-28-N 31.6/107.7 X55.5/117.3 Mag. 1152 X	Sparrow	R. Smith	2-264-4
2-10	Pm of path tissue	Saunders Biol	R. Smith	2-265-4 thru 2-273-4
2-17	Shaft for neutron chopper	Seidl Phys	R. Walton	2-274-4
2-17	Glassware	Manowitz Nuc. Eng.	R. Walton	2-275-4
2-23	Current (ARB. units) vs. chamber spacing	Bernstein Elec.	R. Fuka	2-276-4
2-23	Electrometer reading vs. Volts	Bernstein	R. Fuka	2-277-4
2-23	Line schematic	Bernstein	R. Fuka	2-278-4 & 2-279-4
2-23	Barley seedlings	Caldicott Biol	R. Walton	2-280-4 thru 2-284-4
2-19	1000 gal tank of carbon tet for neutrino experiment in pile building	Davis Chem	R. Walton	2-285-4 & 2-286-4
2-19	Gas handling system (vacuum) for Neutrino experiment in pile building.	Davis	R. Walton	2-287-4
2-1	Birthday party Medical	Miner	R. Walton	2-288-4 & 2-289-4
2-25	Pm of chromosomes Slide # 197-4-1 320 X phase contrast	Steffenson Biol	R. Smith	2-290-4
2-25	PM of chromosomes Slide # 197-4-1 320 X bright field	Steffenson	R. Smith	2-291-4
2-25	PM of path tissue	Godwin Med	R. Smith	2-292-4

Date	Caption	Dept.	Photographer	Number
2-25	Ozalid Schematic copy	Reilly Phys	M. Bull	2-302-4
2-25	typed table irradiation effect 1 wk. at 50° C	Rosenblatt Phys	A. Lasky	2-303-4
2-25	Annealing data on 10% sample	Rosenblatt	A. Lasky	2-304-4
2-25	annealing data for 10 % Zn sample	Rosenblatt	A. Lasky	2-305-4
2-25	Schematic drawing	Rosenblatt	A. Lasky	2-306-4
2-25	curve graph	King Biol	A. Lasky	2-307-4
2-25	Regression of seedling mutations, etc.	Caldicott Biol	A. Lasky	2-308-4
2-25	regression of interchanges etc.	Caldicott	A. Lasky	2-309-4
2-25	Regression of interchange frequency etc	Caldicott	A. Lasky	2-310-4
2-25	flow rate data	Renkin Biol	A. Lasky	2-311-4
2-25	(b) Du Pont cellophane	Renkin	A. Lasky	2- 312-4
2-25	(a) visking sausage casing	Renkin	A. Lasky	2-313-4
2-25	steric hindrance in porous membranes	Renkin	A. Lasky	2-314-4
2-25	(c) Sylvania viscose wet gel boowt data	Renkin	A. Lasky	2-315-4
2-25	Schematic drawing	Renkin	A. Lasky	2-316-4
2-25	data various membranes	Renkin	A. Lasky	2-317-4
2-25	Data various membranes	Renkin	A. Lasky	2-318-4
2-17	Copy graph Ti 49 decay scheme	Rier	A. Lasky	2-319-4
2-25	Fe 59 specific activity as a function of irradiation time, etc.	Fox Reac	R. Lasky	2-320-4
2-25	specific activity data	Fox	A. Lasky	2-321-4
2-25	PM of path tissue	Saunders Biol	R. Smith	2-322-4 thru 2-332-4

March

Date	Caption	Dept.	Photographer	Number
2-24	Barley seedlings	Caldicott Biol	R. Walton	3-1-4 thru 3-4-4
3-2	Copy neg of spectogram diapositive	Godwin Med	H. Maile	3-5-4
3-3	Copy from General Genetics	Woodward Biol	R. Fuka	3-6-4 thru 3-17-4
3-3	Declassified negs from C.D.S. as follows:			~~3-18-4 thru 3-127-4~~
	Log No. P-95		R. Walton	3-18-4
	Log No. P-250		R. Walton	3-19-4
	Log No. P-251		R. Walton	3-20-4
	Log No. P-277			3-21-4
	Log No. P-278			3-22-4
	Log No. P-280			3-23-4
	Log No. P-287			3-24-4
	Log No. P-290			3-25-4
	Log No. P-375			3-26-4
	Log No. P-402			3-27-4
	Log No. P-405			3-28-4
	Log No. p-172			3-29-4
	Log No. P-177			3-30-4
	Log No. P-202			3-31-4
	Log No. P-203			3-32-4
	Log No. P-204			3-33-4
	Log No. P-205			3-34-4
	Log No. P-206			3-35-4
	Log No. P-207			
	Log No. P-209			

Date	Caption	Dept.	Photographer	Number
	Log No. P-210			3-38-4
	Log No. P-211			3-39-4
	Log No. P-212			3-40-4
	Log No. P-213			3-41-4
	Log No. P-214			3-42-4
	Log No. P-215			3-43-4
	Log No. P-216			3-44-4
	Log No. P-266			3-45-4
	Log No. P-279			3-46-4
	Log No. P-393			3-47-4
	Log No. P-394			3-48-4
	Log No. P-395			3-49-4
	Log No. P-396			3-50-4
	Log No.P397			3-51-4
	Log No. P-398			3-52-4
	Log No. P-399			3-53-4
	Log No. P-401			3-54-4
	Log No. P-403			3-55-4
	Log No. P-406			3-56-4
	Log No. P-407			3-57-4
	Log No. P-408			3-58-4
	Log No. P-426			3-59-4
	Log No. P427			3-60-4
	Log No. P-428			3-61-4
	Log No. P-429			3-62-4
	Log No. P-430			3-63-4
	Log No. P-431			3-64-4
	Log No. P-432			3-65-4

Date	Caption	Dept.	Photographer	Number
	Log No. P-433			3-66-4
	Log No. P-434			3-67-4
	Log No. P-435			3-68-4
	Log No. P-436			3-69-4
	Log No. P-442			3-70-4
	Log No. P-443			3-71-4
	Log No. P-444			3-72-4
	Log No. P-445			3-73-4
	Log No. P-446			3-74-4
	Log No. P-505			3-75-4
	Log No. P-511			3-76-4
	Log No. P-531			3-77-4
	Log No. P-532			3-78-4
	Log No. P-534			3-79-4
	Log No. P-535			3-80-4
	Log No. P-536			3-81-4
	Log No. P-537			3-82-4
	Log No. P-538			3-83-4
	Log No. P-539			3-84-4
	Log No. P-615			3-85-4
	Log No. P-617			3-86-4
	Log No. P-618			3-87-4
	Log No. P-707			3-88-4
	Log No. P-708			3-89-4
	Log No. P-714			3-90-4
	Log No. P-715			3-91-4
	Log No. P-829-			3-92-4
	~~Log No. P-842~~			

Date	Caption	Dept.	Photographer	Number
	No neg. given # 3-93-4 & 3-94-4			
	Log N. P-842			3-95-4
	Log No. P-843			3-96-4
	Log No. P-844			3-97-4
	Log No. P-846			3-98-4
	Log No. P-847			3-99-4
	Log No. P-848			3-100-4
	Log No. P-849			3-101-4
	Log No. P-850			3-102-4
	Log No. P-912			3-103-4
	Log No. P-913			3-104-4
	Log No. P-914			3-105-4
	Log No. P-915			3-106-4
	Log No. P-916			3-107-4
	Log No. P-917			3-108-4
	Log No. P-918			3-109-4
	Log No. P-919			3-110-4
	Log No. P-920			3-111-4
	Log No. P-964			3-112-4
	Log No. P-967			3-113-4
	Log No. P-971			3-114-4
	Log No. P-972			3-115-4
	Log No. P-974			3-116-4
	Log No. P-975			3-117-4
	Log No. P-980			3-118-4
	Log No. P-982			3-119-4
	Log No. P-983			3-120-4
	Log No. P-984			3-121-4

Date	Caption	Dept.	Photographer	Number
	Log No. P-985			3-122-4
	Log No. P-986			3-123-4
	Log No. P-987			3-124-4
	Log No. P-988			3-125-4
	Log No. P-989			3-126-4
	Log No. P-990			3-127-4

3-137-4

Date	Caption	Dept.	Photographer	Number
3-3	Diffusion through viking cellulose tubing	Renkin Biol	R. Fuka	3-128-4
3-3	Blood flow cc/min /100 gm	Renkin	RemFuka	3-129-4
3-3	Blood flow cc/min/ 100 g	Renkin	R. Fuka	3-130-4
3-3	Effect of flow rate on diffusion of antipyrene	Renkin	R. Fuka	3-131-4
3-3	Effect of flow rate on diffusion in the artificial kidney	Renkin	R. Fuka	3-132-4
1-25	Copy survey meter instrument face.	D. Kuper Elec.	A. Lasky	3-133-4
2-26	Loop	Horn Hot Lab.	R. Walton	3-134-4 thru 3-138-4
2-26	Ears of corn, showing variations due to radiation	Singleton Biol	R. Walton	3-139-4
3-5	Perspective sketch of A.G.S.	Cox Phys Off.	M. Bull	3-140-4
3-4	~~Schematic~~ Conclusions -a-brass (6 weeks -190° C)	~~McReynolds~~ ~~Physics~~ Keating Phys.	H. Maile	3-141-4
3-4	~~[illegible]~~ Schematic	McReynolds Phys.	H. Maile	3-142-4
3-4	Fe 3 0 4 (22 0)	McReynolds	H. Maile	3-143-4
3-4	Fe 3 0 4 (111)	Mc Reynolds	H. Ma ile	3-144-4 thru 3-146-4
3-4	Intensity of magna tization	McReynolds	H. Maile	3-147-4
3-4	Regression of inter-changes in micros-paracytes on dose of X-rays and thermal neutrons	Caldicott Biol	H. Maile	3-148-4
3 -4	Regression of seedling mutations on dose of x-rays and thermal neutrons	Caldicott	H. Maile	3-149-4
3-4	Relation of survival of seeds of barley to doses of x-rays and thermal neutrons	Caldicott	H. Maile	3-150-4
3-4	Freq. dist. of seedling heights from dormant seeds of barley subjected to the following doses of x-rays .	Caldicott	H. Maile	3-151-4

Date	Caption	Dept.	Photographer	Number
3-4	Freq. dist. of seedling heights from dormant seeds of barley subjected to different doses of fast neutron from fission of U 235.	Caldicott Biol	(A) Same orig - heavy lines for coloring) H. Maile	3-152-4 A 3-152-4
3-4	Freq. dist. of seedling heights from dormant seeds of barley subjected to different doses of thermal neutrons	Caldicott	(A) (same orig heavy lines for coloring) H. Maile	3-153-4 A. 3-153-4
3/4/54	~~Duplicates~~ Color copies from various books	Clark Biology	M. Bull	G 3-154-4 through C 3-161-4
2-26	Birthday party- Medical childrens ward	Finn Med	R. Walton	3-162-4 & 3-163-4
3-1	Loop construction	Klein Nuc. Eng.	R. Walton	3-164-4 thru 3-167-4
2-26	G.M. tubes for counter	Palevsky Phys	R. Walton	3-168-4 & 3-169-4
2-26	Neutron beam magnetic resonance apparatus for a precise measurement of the magnetic moment of the neutron	Cohen Phys	R. Walton	3-170-4 & 3-171-4
3-2	I beam-crane support	Healy Cyc.	R. Walton	3-172-4
3-2	Old dees for cyclotron	Healy	R. Walton	3-173-4
3-2	New dees set in place-support yoke	Healy	R. Walton	3-174-4
3-2	Looking down on new dees	Healy	R. Walton	3-175-4
3-4	*** ——— Experiment - - - - Theory, including path (b) contribution	Chem Orlowski	H. Maile	3-176-4
3-5	Sign & entry door cosmotron	Collins Cosmo	R. Walton	3-177-4
3-8	Sketch of proposed 25 Bev synchrotron	Directors Office	M. Bull	3-178-4
3-8	Explosion controlled burnup	Sheehan Nuc. Eng.	H. Maile	3-179-4

Date	Caption	Dept.	Photographer	Number
3-8	Neutron energy- (electron volts)	Stickley Med.	H. Maile	3-180-4
3-8	Neutron Isd -flux lines-one inch above port	Stickley	H. Maile	3-181-4
3-8	Vertical section through phantom	Stickley	H. Maile	3-182-4
3-8	Counting apparatus for analyzing blood	Conn Med.	H. Smith	3-183-4
3-8	Neutron scattering from α-brass minus background corrected for absorption and change in irradiated volume and predicted scattering for perfect order, etc.	Keating Phys	H. Maile	3-184-4
3-8	COLOR snapdragon buds	Sparrow Biol	R. Walton	C3-185-4 & C3-186-4
3-8	COLOR PM of pathology tissue	Saunders	R. Smith	C3-187-4 thru C3-189-4
3-8	COLOR Pathology tissue	Godwin	R. Smith	C3-190-4
3-5	Medical Exhibit	Godwin	R. Walton	3-191-4
3/5/54	Seperator blocks for fast neutron chopper	Seidl Physics	R.Walton	3-192-4
3/8/54	Proposed decay scheme for the Capture Gamma rays from Cobalt	Rier	H Maile	3-193-4
3/8/54	Proposed decay scheme for the Capture Gamma Rays from Maganese	Rier	H Maile	3-194-4
3/8/4	Proposed decay scheme for the capture Gamma rays from Vanadium	Rier	H Maile	3-195-4
3/11/54	High Voltage Control & Tube base connection	Rier	H. Maile	3-196-4
~~3/9/54~~	~~Schematic~~	~~Seidl~~	~~M. Herbert~~	~~3-196-4~~
3/9/54	Calf Hoof	Saunders	D. Fuka	3-197-4
3/9/54	Calf	Saunders	D/ Fuka	3-198-4
3-9	Paraffin n-$C_{36}H_{74}$ crystallized from petroleum ether on formvar substrate	Freed Chem	R. Fuka	3-199-4
3-9	Growth from pair of dislocations on silicon carbide	Freed	R. Fuka	3-200-4

Date	Caption	Dept.	Photographer	Number
3-9	Phase contrast micrograph of surface of cadmium iodide crystal	Freed Chem	R. Fuka	3-201-4
3-9	Growth spiral on Silicon carbide	Freed	R. Fuka	3-202-4
3-9	Paraffin n-C36 H74 crystallized from petrolium ether	Freed	R. Fuka	3-203-4
3-5	Portrait Mrs. Gertrude Scharff Goldhaber	Goldhaber Phys	J.F. Garfield	3-204-4
3-5	Drs. Maurice and Gertrude Goldhaber	Goldhaber	J.F. Garfield	3-205-4 & 3-206-4
~~3-5x~~				
3-8	Schematic	McReynolds Phys	H. Maile	3-207-4
3-8	Schematic -Torsion pendulum	McReynolds	H. Maile	3-208-4
3-8	Critical shear stress % of initial value	McReynolds	H. Maile	3-209-4
3-8	% of initial resistivety	McReynolds	H. Maile	3-210-4
3-8	% of initial resistivity Al	McReynolds	H. Maile	3-211-4
3-8	Critical shear stress, % of initial value	McReynolds	H. Maile	3-212-4
3-8	1/T degrees Kelvin	McReynolds	H. Maile	3-213-4
3-8	Critical shear stress ~~xxxxxxxxxxxxxx~~ arbitrary units	McReynolds	H. Maile	3-214-4
3-8	~~Alirradiated~~ Al irradiated	McReynolds	H. Maile	3-215-4
3-8	R x 10^{13} cm	Adair Cosmo	H. Maile	3-216-4
3-1	Gross photo of tobacco plant showing t tumor Plant # 6	Sparrow	R. Smith	3-217-4 & C3-217-4
3-1	Gross photo of tobacco plant showing tumor Plant # 5	Sparrow	R. Smith	3-218-4 C3-218-4
3-1	Gross photo of tobacco plant showing tumore Plant # 4	Sparrow	R. Smith	3-219-4 C3-219-4
3-1	Macro photo of plant tumor	Sparrow	R. Smith	3-220-4

Date	Caption	Dept.	Photographer	Number
3-1	Macro photo of plant tumor	Sparrow	R. Smith	3-221-4 C3-221-4
3-1	Macro photo of plant tumor	Sparrow	R. Smith	3-222-4 C3-222-4
3-1	Macro-photo of plant tumor	Sparrow	R. Smith	3-223-4 C3-223-4
3-10	Fermentation of labelled glucose by lactobacellus casei	Gibbs Biol	R. Fuka	3-224-4
3-10	Fermentation of glucose by lactobacillus casei	Gibbs	R. Fuka	3-225-4
3-10	Fermentation of Pentose by E. Coli	Gibbs	R. Fuka	3-226-4
3-10	Conversion of pentose phosphate to Hexose phosphate	Gibbs	R. Fuka	3-227-4
3-10	Graph Electrode spacing vs. current (amperes)	King Biol	R. Fuka	3-228-4
3-10	Dose in R or REP vs. freq. of induced sex linked recessive lethal mutations	King	R. Fuka	3-229-4
~~3-10~~	~~Graph Kurie plots of I^{129} spectrum observed with a scintillation spectrometer~~	~~derMateusian Phys~~	~~H. Maile~~	~~3-229-4 & 3-229-4 A (A is same graph minus captions)~~
3-11	Duplicate of color transpariency Transplanted Glio B1.	Stickley Med.	P. Simack ~~M. Bull~~	C3-230-4
3-10	Dose (Kilorep)	Weiss H.P.	H. Maile	3-231-4
3-10	Millimoles Ce 41 reduced/liter	Weiss	H. Maile	3-232-4
3-10	Relation between distorted and undistorted view for felix	Whittemore Phys	H. Maile	3-233-4
3-10	Relation between true projected angle and measured angle in distorted view	Whittemore	H. Maile	3-234-4
3-10	Relation between true projected angle and measured angle in distorted view	Whittemore	H. Maile	3-235-4
3-10	Relation between true projected angle and measured angle in distorted view	Whittemore	H. Maile	3-236-4

Date	Caption	Dept.	Photographer	Number
3-10	Relation between true projected andle and measured angle in distorted view	Whittemore	H. Maile	3-237-4
3-10	Relation between true projected angle and measured angle in distorted view	Whittemore	H. Maile	3-238-4
3-10	Relation between true projected angle and measured angle in distorted view	Whittemore	H. Maile	3-239-4
3-10	Relation between true projected angle and measured angle in distorted view	Whittemore	H. Maile	3-240-4
3-10	Relation between x and y and compartment location in distorted view of Felix	Whittemore	H. Maile	3-241-4
3-11	Diffuse scattering & expected short range order scattering etc.	Keating Phys	H. Maile	3-242-4
3-11	Fig. 1 page 23, Bodily changes in pain, hunger, fear and rage	Freed Chem	H. Maile	~~x3-22x~~ 3-243-4
3-11	Fig. 1 pg. 248, Cerebral mechanisms in behavior, The Hixon symposium	Freed	H. Maile	3-244-4
3-12	Copy from physica Nuova Cimento	Goldhaber Phys	M. Bull	3-245-4
3-10	Effect of human blood transfusions on arterial and venous oxygen content of the dog.	Conn Med	H. Maile	3-246-4
3-10	Circulatory abnormalties produced in the dog by the intravenous admin. of human blood	Conn	H. Maile	3-247-4
3-10	Renal effects of the transfusion of human blood to the dog	Conn	H. Maile	3-248-4
3-10	Renal effects produced by the intravenous admin. of human hemoglobin to the dog.	Conn	H. Maile	3-249-4
3-10	Circulatory abnormalties produced in the dog by approx. timed second transfusions of human blood	Conn	H. Maile	3-250-4
3-10	Schema showing suggested actions of human blood and components active in producing acute Cardiac failure in the dog	Conn	H. Maile	3-251-4
3-10	Effect of the intravenous infusion of various human blood products on cardiac			

Date	Caption	Dept.	Photographer	Number
3-10	Results in three dogs given human blood	Conn Med	H. Maile	3-253-4
~~3-10~~	~~Circulatory abnormalities produced in the dog by the intravenous administration of human hemoglobin~~	~~Conn~~	~~H. Maile~~	~~3-253-4~~
3-12	"Forbidden" $_2$ reflection	~~Frazer~~ Frazer Phys	H. Maile	3-254-4
3/13/54	PM of Chromosomes, neg. 720X Print mag 1090 X	Konzak Biology	Smith	3-255-4 through 3-269-4
"	" " " " "	"	"	
3-10-54	Circulatory abnormalities produced in the dog by the intravenous administration of human hemoglobin	Conn Med	H. Maile	3-270-4
3-12	Typed table	Weiss H.P.	H. Maile	3-271-4
3-16	Graph	Biegleisen Chem	H. Maile	3-272-4
3-15	Absolute resistivity changes irradiation 1 week at 50° C	Whittemore Phys	H. Maile	3-273-4
3-15	Unirradiated a-Brass 6 weeks at 190° C	Whittemore	H. Maile	3-274-4
3-15	Table 1 Freq. of chromosome aberration at metaphase of the first microspore etc.	Steffenson Biol	H. Maile	3-275-4
3-15	Table 2 Freq. of micronuclei in microspores at late interphase stage	Steffenson	H. Maile	3-276-4
3-15	Table 3 Freq. of micronuclei in early binucleate pollen	Steffenson	H. Maile	3-277-4
315	% pollen abortion	Steffenson	H. Maile	3-278-4
3-15	Staggered tube banks	Weisman Nuc. Eng.	H. Maile	3-279-4
3-15	Position 16	Weisman	H. Maile	3-280-4
3-15	Heat transfer data etc.	Weisman	H. Maile	3-281-4

Date	Caption	Dept.	Photographer	Number
3-15	Position 14	Weisman Nuc. Eng.	H. Maile	3-282-4
3-15	Position 16	Weisman	H. Maile	3-283-4
3-15	In line tube banks	Weisman	H. Maile	3-284-4
3-15	For fluidized bed of spherical etc.	Weisman	H. Maile	3-285-4
3-15	Curve for in line tubes banks	Weisman	H. Maile	3-286-4
3-15	For wire screen matrices	Weisman	H. Maile	3-287-4
3-15	Reynolds No. (flow through pipes)	Weisman	H. Maile	3-288-4
3-15	Staggered tube banks	Weisman	H. Maile	3-289-4
3-15	Curve obtained by extrapolation of etc.	Weisman	H. Maile	3-290-4
3-15	Key to parked bed data	Weisman	H. Maile	3-291-4
3-15	Graphs	Weisman	H. Maile	3-292-4 thru 3-295-4
3-12	Cloudy crystal ball model	Harvey Phys	H. Maile	3-296-4
3-15	Blood transfusion electrocardiagrams of dogs (subtitle for prints)	Medical	Bull	3-297-4
3-15	Same as above without subtitle for a slide	Medical	Bull	3-298-4
3-8	Schematic	Seidl Phys	H. Maile	3-299-4
~~3-16~~	~~Sieve coefficient vs. flow rate~~	~~Kenkin~~ ~~Eiol~~7	~~R. Fuka~~	~~3-300-4~~
3-16	Neutron counts/min vs. Temperature degrees C	McReynolds Phys	R. Fuka	3-300-4
3-16	Torsional stress arbitrary units vs. maximum shear strain	McReynolds	R. Fuka	3-301-4
3-16	Percent inital ~~xxxxxx~~ restivity vs. a annealing time seconds	McReynolds	R. Fuka	3-302-4

Date	Caption	Dept.	Photographer	Number
3-16	Transformation rate of irradiated tin curve calculated according to reaction rate theory	solid Fleeman Phys	R. Fuka	3-303-4
3-16	Transformation rate of seeded tin solid curve calculated recording to reaction rate theory	Fleeman	R. Fuka	3-304-4
3-16	Growth curve F or irrad. tin temp. 50.3° C	Fleeman	R. Fuka	3-305-4
3-16	Growth curve for seeded tin temp. 50.3°C	Fleeman	R. Fuka	3-306-4
3-16	X-ray dosage partial mutations per 10^4 male gametes	Konzak Biol	H. Maile	3-307-4
3-16	Effect of atmosphere on mutations induced by X-rays	Konzak	H. Maile	3-308-4
3-16	Thermal neutron dosage	Konzak	H. Maile	3-309-4
3-16	Ultra violet dosage - partial mutation	Konzak	H. Maile	3-310-4
3-16	Ultra violet dosage in - entire mutations	Konzak	H.Maile	3-311-4
3-16	X-ray dosage in roentgens	Konzak	H. Maile	3-312-4
3-16	Thermal neutron dosage	Konzak	H. Maile	3-313-4
3-16	Schematic	Konzak	H. Maile	3-314-4
3-16	Pulmonary arterial pressure % of control	Stroud Med	H. Maile	3-315-4
3-16	Pulmonary resistance Pulmonary blood volume	Stroud	H. Maile	3-316-4
3-16	Transferose activity of 5'Nucleotidose	Stein Biol	H. Maile	3-317-4
3-16	Double displacement mechanism	Stein	H. Maile	3-318-4
3-16	O^{18} content of unhydrolyzed AMP after incubationswith 5' nucleotidose	Stein	H. Maile	3-319-4
3-16	Activity of 5' nucleotidose with various substrates	Stein	H. Maile	3-320-4
3-16	Hydrolysis of adenosini - 5- Phosphate	Stein	H. Maile	3-321-4
3-16	Exchange of P^{32} with AMP	Stein	H. Maile	3-322-4
3-16	Single displacement mechansim	Stein	H. Maile	3-323-4

Date	Caption	Dept.	Photographer	Number
3-16	Mechanism of action of 5' nucleotidose	Stein Biol	H. Maile	3-324-4
3-16	Exchange of oxygen between inorganic phosphate and water	Stein	H. Maile	3-325-4
3-16	~~Exx~~ 5' nucleotidose catalyzed hydrolysis of AMP in H_2O^{18}	Stein	H. Maile	3-326-4
3-16	Exchange of oxygen between inorganic phosphate and water	Stein	H. Maile	3-327-4
3-16	Exchange of adenosine C^{14} with AMP etc.	Stein	H. Maile	3-328-4
3-17	Sylvia Stein and vacuum line for pyrolysis	Stein Biol	J.F. Garfield	3-329-4 thru 3-333-4
3/17/54	PM of chromosomes #17, Neg. Mag. 720X print mag 1080 X	Konzak Biology	R.F. Smith	3-334-4
"	No. 18 " " "	"	"	3-335-4
"	No. 20 " " "	"	"	3-336-4
"	No. 21 " " "	"	"	3-337-4
"	No. 22 " " "	"	"	3-338-4
"	No. 23 " " "	"	"	3-339-4
"	No. 24 " " "	"	"	3-340-4
"	No. 25 " " "	"	"	3-341-4
"	No. 26 " " "	"	"	3-342-4
"	No. 27 " " "	"	"	3-343-4
"	No. 28 " " "	"	"	3-344-4
"	No. 29 " " "	"	"	3-345-4
"	No. 30 " " "	"	"	3-346-4
"	No. 31 " " "	"	"	3-347-4
"	No. 32 " " "	"	"	3-348-4
"	No. 33 " " "	"	"	3-349-4
"	No. 34 " " "	"	"	3-350-4

Date	Caption	Dept.	Photographer	Number
3/10/54	M.G. Console Component	Merkle Cosmotron	R.J. Walton	3-351-4 thru 3-361-4
3/3/54	General view of slow chopper	Iseberg Reactor	Walton	3-362-4
3/3/54	Slow chopper, time of flight analyzer	"	"	3-363-4
3/3/54	O_2 purifying system	"	"	3-364-4
3/12/54	Relay rack	Kuper Electronics	Walton	3-365-4
3/12/54	Footings in place for model magnet	AGS Caulton	Walton	3-366-4
3/12/54	Closeup of model magnet footing	"	"	3-367-4
3/15/54	Potatoe seedlings	Sparrow Biology	Walton	~~3-368-4~~ C3-368-4
3/18/54	Loop	Kammerer Nuc Eng	Smith	3-369-4
3/18/54	Fast chopper	Seidl Physics	Smith	3-370-4
"	" "	"	"	3-371-4
"	" "	"	"	3-372-4
3/18/54	Non amplifying overloading shaping inverting stage EH 1-508-3A	Higgenbotham	Maile	3-373-4
3/18/54	Non overloading amplifier, high level stage EH 1 -508-2-2-A	"	"	3-374-4
"	Non overloading amplifier, Model 2 of feedback loop EH 1-329-2-2A	"	"	3-375-4
"	Schematic	"	"	3-376-4
"	Typed table Capture Gamma Rays	Rier	"	3-377-4
"	Delay in 10^{-10} Sec	Sunyar	"	3-378-4
"	Discriminator setting	"	"	3-379-4
"	REK X-Ray 72 KEV Ray	"	"	3-380-4
"	P(T) Prompt coincidences	"	"	3-381-4
"	Graph- Pulse heightvs counting rate	"	"	3-382-4

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3-15	Gamma field aftermath of source being stuck in the up position	German Biol	R. Walton	3-383-4 thru 3-386-4
3-12	Spectrometer	Goudsmit Phys	R. Walton	3-387-4 & 3-388-4
3-10	Grph Kurie plots of I^{129} spectrum observed with a scintillation spectrometer	derMateosian Phys	H. Maile	3-389-4 & 3-389-4 A (A is same graph minus captions)
3-18	Fig. 1 & 2	J. Levin Phys	M. Herbert	3-390-4 & 3-391-4
3-18	Fig.'s 5 thru 25	Levin	M. Herbert	3-392-4 thru 3-412-4
3-22	PM of path tissue	Saunders Biol	R. Smith	3-413-4 thru 3-432-4
3-17	COLOR corn	Singleton Biol	R. Walton	C3-433-4 & 1 35 mm also
3-23	Relative radical yields	Schuler Chem	H. Maile	3-434-4
3-23	Relative irradiation males	Schuler	H. Maile	3-435-4
3-23	Iodine concentration M	Schuler	H. Maile	3-436-4
3-23	N(I 2) vs. G(H 2)	Schuler	H. Maile	3-437-4
3-23	G(H 2) = 5.4	Schuler	H. Maile	3-438-4
3-23	Iodine concentration M x104	Schuler	H. Maile	3-439-4
3-23	CH 4 in the absence of Iodine also CH 4 in the presence of Iodine	Schuler	H. Maile	3-440-4
3-24	PM of chromosomes Neg. Mag. 720X print 1.080 X	Caldicott	R. Smith	3-441-4 thru

Date	Caption	Dept.	Photographer	Number
3-23	1953 Endosperm mutations in maize effect of time of radiation on mutation rate 1320 r for 1 day only	Singleton Biol	H. Maile	3-446-4
3-23	1953 BNL 130 endosperm mutation effect of time of day on mutation rate 1320 r for one day only	Singleton	H. Maile	3-447-4
3-23	1953 Mutation per 10^4 BNL 1 male gametes 135 r/day	Singleton	H. Maile	3-448-4
3-23	Negs. declassified			
	Log No. D 2233		Wiswall	3-449-4
	Log No. D 2572		Miles cleared for pub.	3-450-4
	Log No. D 2291		Wiswall	3-451-4
	Log No. D 2679		Miles cleared for pub	3-452-4
	Log No. D 1799		Miles	3-453-4
	Log No. D 2573		Miles cleared for pub.	3-454-4
3-24	Duplicate neg made from 35 mm Kodachrome also reproduced to standards 3¼ x 4 size in ektachrome	Godwin Med	R. Smith	3-455-4 C3-455-4
3-24	Trillium anthers on culture medium	Sparrow Biol	R. Smith	3-456-4 & C3-456-4
3-24	Trillium anthers on culture medium CN5-333-59	Sparrow	R. Smith	3-457-4 & C3-457-4
3-23	Line graphs	Sunyar Phys	H. Maile	3-458-4 thru 3-461-4
3-23	Single particle proton model	Sunyar	H. Maile	3-462-4
3-23	Cs 137 electron line position	Sunyar	H. Maile	3-463-4
3-23	Ga 72 (electron) coincidencies	Sunyar	H. Maile	3-464-4
3-23	Freq. dist. of seedlings heights from dormant seeds of barley subjected to different doses of 2 mev electrons	Caldicott	H. Maile	3-465-4
3-23	Freq. dist. of seedling heights from a dose of x-rays, 2 mev electrons, thermal neutrons and fast neutrons that reduce the average height to a comparable degree	Caldicott	H. Maile	3-466-4
3-23	Freq. dist of seedling heights from	Caldicott	H. Maile	3-467-4

Date	Caption	Dept.	Photographer	Number
3-23	Freq. dist of seedling heights from dormant seeds of barley subjected to different doses of 2 mev electrons	Caldicott	H. Maile	3-468-4
3-23	Europium decay	Wood Nuc. Eng.	H. Maile	3-469-4
3-23	Some relationships between radiation with respect to their effects on endosperm mutation in ~~xxxxx and~~ maize	Konzak Biol	H. Maile	3-470-4 & 3-471-4
3-23	Copy neg. McReynolds in Europe	McReynolds Physics	R. Fuka	3-472-4
3-23	Pulses	Goldhaber Physics	R. Fuka	3-473-4 & 3-474-4
3-25	Hydroxylysine	Sinex Med	R. Fuka	3-475-4
3-25	Speculation on the Hydroxylatin of amines	Sinex	R. Fuka	3-476-4
3-25	Hydroxyproline	Sinex	R. Fuka	3-477-4
3-25	Phosphate Ester of hydroxylysine	Sinex	R. Fuka	3-478-4
3-25	Graph	Sinex	R. Fuka	3-479-4
3-25	Estimation of pore size in cellulose membranes	Renkin Biol	R. Fuka	3-480-4
3-25	Data on salt intake and hypertension	~~Maynard~~ Dahl Med	R. Fuka	3-481-4
3-25	Uptake on manganese 56 by various organs	Maynard	R. Fuka	3-482-4
3-25	Uptake of manganese 56 by whole organs expressed as % of injected dose	Maynard	R. Fuka	3-483-4
3-25	Uptake of manganese 56 by the intracellular components	Maynard	R. Fuka	3-484-4
3-25	copy neg. clay particles	Orlowski	H. Maile	3-485-4
3-16	81A 73-C, 13b, pulses	Schardt	H. Maile	3-486-4 thru 3-488-4
3-26	Detergent Liver cells destruction	Cotzias Med	R. Smith	3-489-4 & 3-490-4

Date	Caption	Dept.	Photographer	Number
3-29	Activity of enzymes tested in supernatant	Cotzias Medc	P. Bennett	3-491-4
3-29	Enzyme and clearing chart	Cotzias	P. Bennett	3-492-4
3-30	PM of radio autograph	Stonier Biol	R. Smith	3-493-4
3-30	Loop	Kammerer Metal	R. Smith	3-494-4
3-30	Liquid metal fuel reactor	Miles Nuc.Eng.	R. Fuka	3-495-4
3-30	graph Fig. 7	Miles	R. Fuka	3-496-4
3-30	Graph Fig. 8	Miles	R. Fuka	3-497-4
3-30	Liquid metal fuel reactor schematic diagram showing reactor, etc.	Miles	R. Fuka	3-498-4
3-30	Fig. 2 Example A	Miles	R. Fuka	3-499-4
3-30	Figure 5	Miles	R. Fuka	3-500-4
3-30	Figure 6 Example C	Miles	R. Fuka	3-501-4
~~3-30~~	~~[illegible]~~			
3-30	Total cross section per O_2 etc.	Eisberg Phys	R. Fuka	3-502-4 & 3-503-4
3-30	Curves up 6600	Freed Chem	R. Fuka	3-504-4
3-30	Curves up 6900	Freed	R. Fuka	3-505-4
3-30	apparatus for growing sodiumiodide scintillating crystals	derMateosian Phys	R. Fuka	3-506-4
3-30	Decay of Ta 183 betas Deleted by request of		R. Fuka	3-507-4
3-30	Decay of Ta 183 and Ta182	"	R. Fuka	3-508-4
3-30	3 tyoed tables	J.Klein Nuc. Eng.	R. Fuka	3-509-4 thru 3-511-4
3-30	Fraction of oxidase as complex	Klein	R. Fuka	3-512-4
3-30	Figure 8	Mihelich Phys	R. Fuka	3-513-4

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3-30	Circulating abnormalities produced in the dog by the intravenous administration of human blood	Conn Med	R. Fuka	3-514-4
3-30	Core	Miles Nuc.Eng.	M. Herbert	3-515-4
3-30	Blanket	Miles	M. Herbert	3-516-4
3-30	Figure 3 Flow sheets of neutrons etc.	Miles	M. Herbert	3-517-4
3-30	Figure 4 flow sheet of fissionable material etc.	Miles	M. Herbert	3-518-4
3-30	Figure 1. flow sheet of neutrons and fissionable material etc.	Miles	M. Herbery	3-519-4
3-30	Graph 50 u	L. Smith ~~Kong~~ PHYSICS	R. Fuka	3-520-4
3-30	Total p-p cross section vs. energy	Leavitt ~~Max~~ Cosmo	R. Fuka	3-521-4
3-30	Probable mechanism of pseudoiso-chromosome formation	Caldicott Biol	R. Fuka	3-522-4
3-30	Graph	Koshland Biol	R. Fuka	3-523-4
3-30	Rate equation for hydrolysis			3-524-4
3-30	Exchange of BY and Y*			3-525-4
3-30	Graph			3-526-4
3-30	Hydrolysis and exchange with H2O			3-527-4
3-30	Graph			3-528-4 & 3-529-4
3-30	Exchange of BX and X*			3-530-4
3-30	Graph			3-531-4
3-30	Exchange of ADP* and ATP			3-532-4
3-30	Exchange of Oxygen between H2O etc.			3-533-4
3-30	Exchange of KH_2 P^{32} O_4 with ATP			3-534-4
3-30	~~Ex~~ O^{18} contents of products after hydrolysis of ATP etc.			3-535-4

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3-31	Graph counts 3/min vs. E(KEV)	der Mateosian Phys	R. Fuka	3-536-4
3-31	formation of sedoheptulose diphasphate	Gibbs Biol	R. Fuka	3-537-4
3-31	Pentose phosphate conversion to hexose phosphate leaf	Gibbs	R. Fuka	3-538-4
3-31	Possible reactions in the formation of glucose -6	Gibbs	R. Fuka	3-539-4
3-31	polarization P vs. Laboratory scattering angles	Yang Cosmo	R. Fuka	3-540-4 & 3-541-4
~~3-31x~~	~~Rex~~			
3-31	Scattering cross section vs. lab scattering angle	Yang	R. Fuka	3-542-4
3-31	Absorption of gamma radiation from various radioisotopes in concrete cylindrical shielding geometry	Oleson H.P.	R. Fuka	3-543-4
3-31	Conversion of pentose phosphate -C14 to hexose phosphate	Gibbs ~~Oleson H.P.~~	R. Fuka	3-544-4
3-31	Co 60 activity as a function of thickness of concrete liner & dose ratio at two feet	Oleson H.P.	R. Fuka	3-545-4
3-31	Total activity of canal filters vs. gamma ray dose rates at two feet	Oleson	R. Fuka	3-546-4
3-31	Attenuation of gamma radiation in cylindrical concrete shielding as function of thickness	Oleson	R. Fuka	3-547-4
3-31	Grey wedge spectrograph	Oleson	R. Fuka	3-548-4
3-31	Decay scheme of Cs 137 Sr4 P_m 147	Oleson	R. Fuka	3-549-4
3-31	Block diagram of instruments used to measure etc.	Oleson	R. Fuka	3-550-4
3-31	Dose rates at various distances from center of barrel containing canal filters	Oleson	R. Fuka	3-551-4
3-26	Heat exchange apparatus	Pierce Nuc. Eng.	J.F. Garfield	3-552-4 thru 3-554-4

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4-1-	10,000 rep gamma radiation	Drew Med	R. Fuka	4-1-4
4-1	50,000 rep gamma radiation	Drew	R. Fuka	4-2-4
4-1	100,000 rep gamma radiation	Drew	R. Fuka	4-3-4
4-1	Decay of 1 sec Cl 38	Goldhaber Phys	R. Fuka	4-4-4
4-1	Decay of 5 sec Br 79 Isomer	Goldhaber	R. Fuka	4-5-4
4-1	Proposed disentagration scheme of Cl 38	Goldhaber	R. Fuka	4-6-4
4-1	Log N vs. electron energy	Schardt Elec	R. Fuka	4-7-4
4-1	Log N vs Quentum energy	Schardt	R. Fuka	4-8-4
4-1	Log N vs. Quantum energy	Schardt	R. Fuke	4-9-4
4-1	Grid & outline	Frazer Phys	R. Fuka	4-10-4
4-2	Turbin governer unit	Falkenberry Phys	R. Fuka	4-11-4
4-2	Simplified system load control diagram	Falkenberry	R. Fuka	4-12-4
4-2	Effect of pulverizer feeder setting	Falkenberry	R. Fuka	4-13-4
4-2	Cross section of steam electric generating stationTVA	Falkenberry	R. Fuka	4-14-4
4-2	Combustion control diagram schematic	Falkenberry	R. Fuka	4-15-4
4-1	Figure 1 flow sheet of vapor compression evaporqtor unit at BNL	Richards Hot Lab	R. Fuka	4-16-4
4-2	Fig. 3 flow sheet typical heat and material balance	Richards	M. Herbert	4-17-4
4-2	Fig. 15 Plot of evaporator and heat exchanger etc.	Richards	M. Herbert	4-18-4
4-1	Frequency of induced sex-linked recessive lethal mutations	King Biol	R. Fuka	4-19-4
4-1	Renal plasma flow	Van Slyke Med	R. Fuka	4-20-4
4-1	Plasma electrolyte patterns in uremia	Van Slyke	R. Fuka	4-21-4

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3-18	Packaging contaminated waste	Gemmell H. P.	R. Walton	4-22-4 thru 4-27-4
3-18	Interior of evaporator	Hittman Nuc. Eng.	R. Walton	4-28-4 thru 4-42-4
3-18	General view of work area- evaporator	Hittman	R. Walton	4-43-4
3-18	Solid blocks of sodium nitrate	Hittman	R. Walton	4-44-4
4-2	Characteristics of significant fission products 9	Oleson H.P.	R. Fuka	4-45-4
42	The rate of disappearance of Mn 56 from the blood of human and rat	Maynard Medical	R. Fuka	4-46-4
4-2	Waste concentration power plant	Hatch ~~H.P.~~ Nuc Eng	R. Walton	4-47-4 thru 4-62-4
3-26	Group of hypertensive patients	Dahl Med	J.F. Garfield	4-63-4 thru 4-66-4
3-19	tobacco plant stem -Color	Sparrow	R. Walton	C4-67-4
4/2/54	Donovan's Head	Cotzias-Med.	J.F. Garfield	4-68-4
"	" "	"	"	4-69-4
"	" "	"	"	4-70-4
3/26/54	Gray wedge pulse height analyzer	Schardt Electrohics	Walton	4-71-4
"	" " "	"	"	4-72-4
3/25/54	Coil section before pouring	Mede-Cosmo	Walton	4-73-4
"	Coil section before pouring	Mede-Cosmo	Walton	4-74-4
4/6/54	Gross test fixture (declassified)	Reactor	Walton	4-75-4
4/28/54	Condenser (glass) setup inside fume	Columbo		

Date	Caption	Dept.	Photographer	Number
3/29/54	X-ray equipment	J. Austin Hot Laboratory	Walton	4-77-4
"	"	"	"	4-78-4
"	" "	"	"	4-79-4
"	" "	"	"	4-80-4
"	" "	"	"	4-81-4
3/29/54	"Fido"	"	"	4-82-4
3-29	Waste concentration lab. pouring concrete into 55 gal drum	J.Richards Hot Lab	R. Walton	4-83-4
4-7	Physical properties of diptheria toxin & blood proteins	Koshland Biol	R. Fuka	4-84-4
4-7	Exchange of ADP * with ATP	Koshland	R. Fuka	4-85-4
4-7	Asymmetry in scattering from liquid hydrogen	Yang Cosmo	R. Fuka	4-86-4
4-7	Hexose monophosphate from pentose phosphate	Gibbs Biol	R. Fuka	4-87-4 & 4-88-4
4-7	Conversion of pentose phosphate to hexose monophosphate	Gibbs	R. Fuka	4-89-4
4-7	Sample Holder	Gurinsky Nuc. Eng.	R. Fuka	4-90-4
4-7	Sample A' vs. Sample A	Gurinsky	R. Fuka	4-91-4
4-7	Container disc cap	Gurinsky	R. Fuka	4-92-4
4-7	Sample E' vs. Sample E	Gurinsky	R. Fuka	4-93-4
4-7	Sample C' vs Sample C	Gurinsky	R. Fuka	4-94-4
4-7	Sample B' vs Sample B	Gurinsky	R. Fuka	4-95-4
4-7	Intensity (Arbitrary units) vs. 2θ	Gurinsky	R. Fuka	4-96-4
4-7	The general layout of the electron analog	Haworth	M. Herbert →	~~4-97-4~~
4-8	counts per minute scales	Constant Elec	R. Fuka	4-98-4 & 4-99-4
3-29	Biology exhibit showing corn mutations			

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4-8	Color slides ~~from glass plates~~ of crystals	Rosenwasser Phys	R. Smith	C4-101-4 thru C4-105-4
4-8	25 bev proton synchrotron compared to football field	Haworth Dir.Off	M. Bull	4-106-4
4-8	Proposed AGS buildings	Haworth	M. Bull	4-107-4
4-8	Schematic pencil dwg. of AGS shelter	Haworth	M. Bull	4-108-4
3-29	Damage shipment received from Savannah River	MacVean Purch	R. Walton	4-109-4 thru 4-114-4
4-8	Circulatory abnormalities produced in dog -etc.	Dr.Conn Med	R. Fuka	4-115-4 thru 4-120-4
4-8	Elimination of I^{131} labelled Dl-Iodotyrosine	Koshland Biol	R. Fuka	4-121-4
4-8	Elimination of I^{131} labelled NAI	Koshland	R. Fuka	4-122-4
4-8	Elimination of I^{131} labelled Diptheria Toxoid	Koshland	R. Fuka	4-123-4
4-8	Elimination of I^{131} Labelled homologous albumin	Koshland	R. Fuka	4-124-4
4-8	elimination of I^{131} labelled diptheria toxoid	Koshland	R. Fuka	4-125-4
4-8	Elimination of activity from the serum	Koshland	R. Fuka	4-126-4
4-8	Elimination of activity from theskin	Koshland	R. Fuka	4-127-4
4-8	Elimination of activity from popliteal lymph node	Koshland	R. Fuka	4-128-4
4-8	Uptake of manganese 56 by various organs, etc.	Maynard MEDICAL	R. Fuka	4-129-4 4-130-4
~~4-8~~ 4-8	Table material, fabrication history, orientation	Gurinsky NUC ENG	R. Fuka	4-131-4

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4-8	Curve Sample H	Gurinsky Nuc. Eng.	R. Fuka	4-132-4
4-8	Normalization of line intensities	Gurinsky	R. Fuka	4-133-4
4-8	Specific activity of collagen amino acids etc.	Sinex Med.	R. Fuka	4-134-4
4-8	Glycogen deposition after glucose etc.	Edelman Biol	R. Fuka	4-135-4
4-8	Curve, age in days vs. (wet weight)	Clark Biol	R. Fuka	4-136-4
4-8	time (minutes) vs. ml of Na Min O 4	Clark	R. Fuka	4-137-4
4-8	time (minutes) vs. Mlof NaMnO4 used	Clark	R. Fuka	4 -138-4
4-8	Age-Days vs % increase or decrease of activity	Clark	R. Fuka	4-139-4
4-8	Age in days vs. TNAP/VASP	Clark	R. Fuka	4-140-4
4-8	Age in days vs. K curve	Clark	R. Fuka	4-141-4
3-16	Tobacco plants	Sparrow Biol	R. Walton	4-142-4 thru 4-149-4
4-9				
4-9	Resonances N = 16	Haworth	H. Herbert	4-150-4 &
4-9	Line drawing	"	"	4-151-4 +
4-9	Flux lines ⊥ Force lines	"	"	4-152-4
4-9	Metal cutter	Shaw Machine Shop	R. Smith	4-153-4 thru 4-159-4
4-9	Cancer patient	Maynard Med	Smith & Garfield	4-160-4
4-9	Survey meter	Handloser H.P.	R. Smith	4-161-4
4-5	Comparison on plants	Stonier Biol	J. Garfield	4-162-4 & C4-162-4
4-5	Plants COLOR	Stonier	J. Garfield	C4-163-4

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4-12	copy of print bevatron coil winding operation	Haworth	A. Lasky	4-164-4
4-12	copy of print bevatron injector in place, tank open, gen. view	Haworth	A. Lasky	4-165-4
4-12	copy curve graph kinetic energy	Haworth	A. Lasky	4-166-4
4-12	copy curve graph velocity (V) as a function of energy	Haworth	A. Lasky	4-167-4
4-12	mercury sprayed thru water	Pierce Nuc. Eng.	J. Garfield	4-168-4 thru 4-185-4
4-12	Gray wedge pulse height analyzer	Schardt Elec	R. Smith	4-186-4
4-13	Comparison of detailed and approximate theories	Fleck Nuc. Eng.	R. Fuka	4-187-4 & 4-188-4
4-13	Curves calculated from detailed theory and inhour curve	Fleck	R. Fuka	4-189-4
4-13	Effect of temperature of the NN 2 solution of hatchability of haploid eggs	Clark Biol	R. Fuka	4-190-4
4-13	Effects of HN 2 inactivation on hatchability of haploid eggs	Clark	R. Fuka	4-191-4
4-13	larva/egg and adult/larva ratios for eggs from mated and unmated females	Clark	R. Fuka	4-192-4
4-13	Frequencey of sex-linked recessive lethal mutations in surviving X-chromosomes	King Biol	R. Fuka	4-193-4
4-13	Degree of egg mturity at irradiation	King	R. Fuka	4-194-4
4-13	Pulse height vs. temperature Bridgman NaI	Muehlhause Physics	R. Fuka	4-195-4
4-13	Pulse height vs. temp. Kyropoldus	Muehlhause	R Fuka	4-196-4
4-13	Pulse height per unit energy ratio a/e	Muehlhause	R. Fuka	4-197-4
4-13	Pulse height vs. Bias for NaI -TL(K')	Muehlhause	R. Fuka	4-198-4

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4-15	Figures 1 thru 9 50 microns	Brynes Nuc. Eng.	R. Fuka	4-199-4 thru 4-207-4
~~**~~ 4-15	Adsorption of Zr on FE from liquid Bi at 450° C	Weeks Nuc. Eng.	H. Maile	4-208-4
4-15	adsorption of Zr on Fe from liquid Bi	Weeks	H. Maile	4-209-4
4-15	Mutual solubility of Fe and Zr in Bi	Weeks	H. Maile	4-210-4
4-15	Dose in minutes at 420 r/minute	Clark Biol	H. Maile	4-211-4
4-15	line graph	Clark	H. Maile	4-212-4
4-15	50% eclosion values for Haploid males and diploid females x-rayed at different stages of development	Clark	H. Maile	4-213-4
4-15	Haploid males	Clark	H. Maile	4-214-4
4-15	Haploid males control	Clark	H. Maile	4-215-4
4-15	Hatchability for eggs from mated and unmated females (X-rayed during cleavage	Clark	H. Maile	4-216-4
4-15	graph	Clark	H. Maile	4-217-4
~~****~~ 4-15	Photon absorption as a function of energy	M. Fox Reac.	H. Maile	4-218-4
4-15	Fig. 1, brookhaven cosmo E 2.3 bev	Caulton Cosmo Phys	H. Maile	4-219-4
4-15	probability integral for C^{+} from CO_2	Schaeffer Chem	H. Maile	4-220-4
4-15	freq. distribution of seedling heights	Caldicott Biol	H. Maile & Fuka	4-221-4 thru 4-225-4
4-15	Ion pairs in gas per electron	Turner Phys	H. Maile	4-226-4
4-15	tank pressure vs. x-ray level	Turner	H. Maile	4-227-4
4-15	Schematic electrostatic generator	Turner	H. Maile	4-228-4
4-15	Schematic - x-ray suppressor system asembly	Turner	H. Maile	4-229-4

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4-15	Schematic acceleration tube	Turner Phys	H. Maile	4-230-4
4-16	Carnations	Singleton Biol	R. Smith	4-231-4
4-12	Control section	Schoener Nuc. Eng.	R. Walton	4-232-4 thru 4-245-4
4-5	Source container	Austin Hot Lab.	R. Walton	4-246-4 thru 4-247-4
4-13	"Gradhelm"	Falk A.G.S.	R. Walton	4-248-4 & 4-249-4
4-12	Loop	J.Klein Nuc. Eng.	R. Walton	4-250-4 thru 4-252-4
4-19	type table fermentation of D. xylose 1-C 14 by E. coli K 12	Gibbs Biol	R. Fuka	4-253-4
4-19	fermentation of d- ababinose etc.	Gibbs	R. Fuka	4-254-4
4-19	strain amplitude data, etc.	Fleeman Phys	R. Fuka	4-255-4
4-19	decrements measured when the strain amplitude etc.	Fleeman	R. Fuka	4-256-4
4-19	variation of internal friction etc.	Fleeman	R. Fuka	4-257-4
4-19	change in decrement isolated zinc crystal etc.	Fleeman	R. Fuka	4-258-4
4-19	buron in mouse brain tumor data	Farr Med	H. Maile/Lasky	4-259-4
4-19	% of hatchability for haploid and diploid eggs.	Clark Biol	Maile/ Lasky	4-260-4
4-19	radiogensitivity of haploid males etc.	Clark	Maile/Lasky	4-261-4
19	% hatchability haploid & diploid eggs	Clark	Lasky/Maile	4-262-4
	eclosion ratios etc.	Clark	lasky/maile	4-263-4

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4-19	growth curves of Tl inactivated to various survival by 3.5 mev deuterons	Fluke Biol	Lasky/M aile	4-264-4
4-19	growth curves of Tl inactivated	Fluke	Maile/Lasky	4-265-4
4-19	beta spectrum of Cd 113m etc.	derMateosian Phys	Maile/ Lasky	4-266-4
4-19	curie plot of Cd 113m beta spectrum	derMateosian	Lasky/Maile	4-267-4
4-19	curve graphs Fig. 1 Fig. 16 Fig. 17 Fig. 18 Fig. 19 Fig. 20 Fig. 21 Fig. 24	Shutt	Lasky/Maile	 4-268-4 4-269-4 4-270-4 4-271-4 4-272-4 4-273-4 4-274-4 4-275-4
4-16	Mercury droplets in water	D. Pierce	J. Garfield	4-276-4 thru 4-293-4
4-19	Combination of the curves of ~~Gif~~ Fig. 2 shows that the decrement is a linear ~~f~~ function	Fleeman Phys	R. Fuka	4-294-4
4-19	Copy of cloud chamber paste-up	Shutt Phys	R. Fuka	4-295-4
4-19	~~Dis~~ copy from paper Dislocations and mechanical properties	Fleeman Phys	R. Fuka	4-296-4
4-19	copy from "Theories of the yield strength	Fleeman	R. Fuka	4-297-4 & 4-298-4
4-19	Copy from Physics Review	Fleeman	R. Fuka	4-299-4 & 4-300-4
4-19	Typed table shielding data on various metals	M. Fox Reac.	R. Fuka	4-301-4
4-19	copy neg of half tone	Haworth Falke	R. Fuka	4-302-4 & 4-303-4
9	copy of polaroid scope	Mihelich Phys	R. Fuka	4-305-4
4-19	Copy of Univ. of Minn. print	Haworth	R. Fuka	4-306-4

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4-19	Copy negs of MIT photos of electron Synchrotron	Falk Haworth	R. Fuka	4-307-4 thru 4-311-4
4-20	PM of Event # 12 Fig. 2	Caulton Phys	~~R. Fuka~~ Maile	4-312-4
4-20	Fig. 3	Caulton	~~R. Fuka~~ Maile	4-313-4
4-20	Fig. 4	Caulton	~~R. Fuka~~ "	4-314-4
4-20	Fig. 5	Caulton	~~R. Fuka~~ "	4-315-4
4-20	Fig. 6	Caulton	~~R. Fuka~~ "	4-316-4
4-20	Fig. 7	Caulton	~~R. Fuka~~ "	4-317-4
4-20	Fig. 9	Caulton	~~R. Fuka~~ "	4-318-4
4-20	Fig. 10	Caulton	~~R. Fuka~~ "	4-319-4
4-20	Fig. 11	Caulton	~~R. Fuka~~ "	4-320-4
4-20	Fig. 12	Caulton	~~R. Fuka~~ "	4-321-4
4-20	Determination of bacterial killing property	Fluke Biol	H. Maile	4-322-4
4-20	Typical bacterial killing assay	Fluke	H. Maile	4-323-4
4-20	T1 growth curves	Fluke	H. Maile	4-324-4
4-20	Table III abundance & comparative half-lives of the radiation from I 126	M.Perlman Chem	H. Maile	4-325-4
4-20	Table II results of coincidence experiments with I 126	Perlman	H. Maile	4-326-4
4-20	Table I energies & relative intensities of the gamma rays	Perlman	H. Maile	4-327-4
4-20	Values of a (Units A # 3)	Sternheimer Phys	H. Maile	4-328-4
4-20	Values of a (Units A 3)	Sternheimer	H. Maile	4-329-4
4-20	Equations	Sternheimer	H. Maile	4-330-4
4-20	3 p Function vs. Radius (ah)	Sternheimer	H. Maile	4-331-4
4-19	cancer patient back view	Cotzias Med	R. Smith	4-332-4
4-19	cancer patient front view	Cotzias	R. Smith	4-333-4
4-19	cancer patient right side	Cotzias	R. Smith	4-334-4
4-19	cancer patient left side	Cotzias	R. Smith	4-335-4

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4-19	cancer patient left profile	Maynard Med	R. Smith	4-336-4
4-19	cancer patient back view	Maynard	R. Smith	4-337-4
4-19	cancer patient front view	Maynard	R. Smith	4-338-4
4-19	cancer patient right profile	Maynard	R. Smith	4-339-4
4-19	Kidnaey	Shellabarger Med	R. Smith	4-340-4
4-19	Ion chamber	Smith Phys	R. Smith	4-341-4
4-19	Sand worm section in polarized light showing autograph	Gorbman Dept. of Zoology Columbia	R. Smith	4-342-4
4-19	Hydre	Gorbman	R. Smith	4-343-4 & 4-344-4
4-19	PM of histological sections	Gorbman	R. Smith	4-345-4 thru 4-354-4
4-19	Autograph of daphnea	Gorbman	R. Smith	4-355-4 thru 4-360-4
~~4-19~~ 4-8	Fido floor monitor	Richards Hot Lab.	J. Garfield	4-361-4
4-8	Pneumatic bellows valves	Richards	J. Garfield	4-362-4
4-8	Manual manipulator model 2	Richards	J. Garfield	4-363-4
4-8	Vacuum air monitor	Richards	J. Garfield	4-364-4
4-21	Tracks of decay particles	Garfield	R. Fuka	4-365-4
4-12	Removing of I 132 rack from hot cell	Stang Hot Lab.	J. Garfield	4-366-4
4-12	Manipulating the I 132 rack	Stang	J. Garfield	4-367-4 & 4-368-4
4-12	Removing I 132 rack from hot cell	Stang	J. Garfield	4-369-4
4-12	I 132 rack removed from hot cell	Stang	J. Garfield	4-370-4
4-15	Rooting tank in greenhouse	Shapiro Biol	R. Walton	4-371-4
4-19	Group photo Medical	Farr9	R. Walton	4-372-4
4-13	Loop	Klein Nuc. Eng.	R. Walton	4-373-4 & 4-374-4

4-374-4

Date	Caption	Dept.	Photographer	Number
4-19	Barley seedlings	Caldicott Biol	R. Walton	4-375-4 thru 4-377-4
4-21	% survival vs. dose	Fluke Biol	M. Bull	4-378-4
4-21	Growth curves of TI inactivated	Fluke	M. Bull	4-379-4
4-21	comparative growth curves for TI	Fluke	M. Bull	4-380-4
4-21	Graph energy loss bs. cross section in CM 2	Fluke	M. Bull	4-381-4
4-21	Chart % bacterial survival vs. time/min	Fluke	M. Bull	4-382-4
4-21	Graph dose, deuterons x formula	Fluke	M. Bull	4-383-4
4-22	Declassified negs: Log No. D-1982 (drawings apparatus for production of liquid metal dispersion) Log No. D-1983	Teitel Teitel	~~R. Walton~~ ~~M. Herbert~~ "	4-384-4 4-385-4
4-22	PM of pathology tissue	Saunders Biol	R. Smith	4-386-4 thru 4-402-4
4-22	PM of chromosomes 720X	Konzak Biol	R. Smith	4-403-4 thru 4-406-4
4-20	Exploded view of filler	A.Rand Hot Lab.	R. Walton	4-407-4
4-20	Kern ???	Rand	R. Walton	4-408-4
4-20	Exploded view of valves	Rand	R. Walton	4-409-4
4-19	Nephrosis patient	Farr Med	R. Walton	4-410-4 thru 4-415-4
4-16	A.G.S.	Caulton A.G.S	R. Walton	4-416-4 thru 4-418-4
4/22/54	D 2015 log number. Penetration of gamma radiation through cylindrical voids	Nuc. Eng. Pratt	~~R. Walton~~	~~4-419-4~~ 4-419-4
4-20	arrangement of scintillation counters	Meuhlhause Phys	R. J. Garfield	4-420-4 &

4-421-4

Date	Caption	Dept.	Photographer	Number
4-22	Energy ev vs. millivolts	Pilcher Phys	M. Bull	4-422-4
4-22	No. of resonances vs. E - ev	Pilcher	M. Bull	4-423-4
4-22	Barns vs. - ev	Pilcher	M Bull	4-424-4
4-22	Time of flight vs. transmissions	Pilcher	M. Bull	4-425-4
4-22	Medical facility at BNL pile	Stickley Med	N. Bull	4-426-4
4-22	Thickness (mils) vs R (area/me)	Draper Phys	M. Bull	4-427-4
4-22	Thicknesss (mils) vs transmission	Draper	M. Bull	4-428-4
4-22	channel vs. counts	Draper	M. Bull	4-429-4
4-22	channel vs. counts	Draper	M. Bull	4-430-4 thru 4-432-4
4-22	Pulse height vs. relative counting rate	Mihelich Physics	M. Bull	4-433-4 & 4-434-4
4-22	Pulse height vs intensity	Mihelich	M. Bull	4-435-4
4-22	Table	Mihelich	M. Bull	4-436-4
4-22	Cu absorption curve 850 MEV protons	Shapiro Cosmo	M. Bull	4-437-4 & 4-438-4
4-22	diffenential range curve	Shapiro	M. Bull	4-439-4
4-22	Peoton energy vs total	Shaprio	M. Bull	4-440-4
4-22	Sq. of the included half angle vs. cross section	Shapiro	M. Bull	4-441-4
4-22	vacuum system for prepration of methyl chloride	Owen Chem	M. Bull	4-442-4
4-22	Phase shift vs energy	Ross Cosmo	M. Bull	4-443-4 & 4-444-4
4-22	ml of cell suspension vs % transmittance	Drew Medical	M. Bull	4-445-4
4-22	Typed table	Drew	M. Bull	4-446-4 & 4-447-4
4-22	radiation dose in kilonep vs % viable cells	Drew	M. Bull	4-448-4
4-22	Atomic xx weight vs in mv	Levin Phys	M. Bull	4-449-4 & 4-450-4
4-22	chart	Alburger Phys	M. Bull	4-451-4 & 4-452-4
4-22	Graph, curve	Levin		

Date	Caption	Dept.	Photographer	Number
4-22	mv vs -10^4 b	Levin Phys	M. Bull	4-454-4
4-22	Time of flight vs transmissions	Levin	M. Bull	4-455-4
4-22	time of flight vs transmission	Carter Phys	M. Bull	4-456-4
4-22	Energy in ev vs resonances	Carter	M. Bull	4-457-4
4-22	Time of flight vs transmission	Carter	M. Bull	4-458-4
4-22	typed table	Heidenthal Biol	M. Bull	4-459-4
4-22	typed table	Heidenthal	M. Bull	4-460-4
4-22	sandwich target	Hudis Chem	M. Bull	4-461-4
4-22	Be 7 excitation function	Hudis	M. Bull	4-462-4
4-22	Be 7 excitation function	Hudis	M. Bull	4-463-4
4-22	Table results of K vacancy production in A 37	Miskel Chem	M. Bull	4-464-4
~~XXXX~~	~~Basic parameters of the cosmotron~~			
4-23	Basic parameters of the cosmotron	Falk Haworth	M. Bull	4-465-4
4-23	Basic parameters of the Stanford accel.	Falk	M. Bull	4-46 6-4
4-23	Cu thickness 440 mev proton	Shapiro Accel	M. Bull	4-467-4
4-23	Pulse height vs counting rate	Mihelich Phys	M. Bull	4-468-4
4-20	PM of chromosomes 720X	Konzak Biol	R. Smith	4-469-4 thru 4-473-4
4-23	PM of poplar bud	Shapiro Biol	R. Smith	4-474-4 thru 4-476-4
4-22	Mercury sperayed thru water	D.Pierce Nuc. Eng.	J. Garfield	4-477-4 thru 4-484-4

4-484-4

Date	Caption	Dept.	Photographer	Number
4-23	Ozalid graph - copy neg.	Perlman Chem	H. Maile	4-485-4 thru 4-487-4
4-23	changes in some infra-red absorption bonds upon irradiation	Baldentine Nuc. Eng.	M. Bull	4-488-4
4-23	Changes in physic al properties of polyethelene at 25° C	Ballantine	M. Bull	4-489-4
4-23	Polymerization of acrylamide	Ballantine	M. Bull	4-4 90-4
4-23	Changes in physical properties of polyethelene	Ballantine	M. Bull	4-491-4
4-23	Polymerization of Perfluorimated monomers	Ballantine	M. Bull	4-492-4
Changes in	some infra-red absorption bands of polyethelene	Ballantine	M. Bull	4-493-4
4-23	Comparison of bulk and emulsion polymerization of styrene	Ballantine	M. Bull	4-494-4
4-26	Neutron energy vs. scattering cross section - SILVER & GOLD	Wood Reactor	M. Bull	4-495-4 thru 4-500-4
4-26	Chromosomes copy neg	Caldicott Biol	M. Bull	4-501-4
4-26	Fig. 2 typical heat balance	Richards Hot Lab.	M. Bull	4-502-4
4-26	Be 7 formation cross sections	Hudis Chem	M. Bull	4-503-4
4-26	Formation of fructose-6-P-1-C14	Gibbs Biol	M. Bull	4-504-4
4-26	Dissimilation of D-Xylode by E	Gibbs	M. Bull	4-505-4
4-26	Hexose monophosphate	Gibbs	M. Bull	4-506-4
4-26	The fermentation of Xylose by fusarium lini	Gibbs	M. Bull	4-507-4
4-26	Yield of lactic acid from d-Xylose	Gibbs	M. Bull	4-508-4
4-26	The fermentation of glucose by F. Lini	Gibbs	M. Bull	4-509-4

Date	Caption	Dept.	Photographer	Number
4-26	The formation of acetic acid from Xylose	Gibbs	M. Bull	4-510-4
4-26	Fermentation of D-Xylose by F. lini	Gibbs	M. Bull	4-511-4
4-26	Fermentation of pentose other than Xylose	Gibbs	M. Bull	4-512-4
4-26	Pentose dissimilation	Gibbs	M. Bull	4-513-4
4-26	Fermentation of Xylose-1-C 14	Gibbs	M. Bull	4-514-4
4-26	Fuctose-6-P from pentose	Gibbs	M. Bull	4-515-4
4-26	black nucleus	Harvey Phys	M. Bull	4-516-4
4-26	cloudy crystal ball model	Harvey	M. Bull	4-517-4
4-26	Neutron resonances in $_{92}U^{238}$	Harvey	M. Bull	4-518-4
4-26	Distribution of 2g Γ_n^0 for $_{67}HO^{165}$	Harvey	M. Bull	4-519-4
4-26	Distribution of Γ_n^0 for 92 U 238	Harvey	M. Bull	4-520-4
4-26	Positive pions, negative pions	Lindenbaum Phys	M. Bull	4-521-4
4-26	Meson spectra produced by 1.0BEV protons	Lindenbaum	M. Bull	4-522-4
4-26	C.M. system meson energy	Lindenbaum	M. Bull	4-523-4
4-26	Relative energy spectrum in the C.M.	Lindenbaum	M. Bull	4-524-4
4-26	Relative momentum spectrum of pions	Lindenbaum	M. Bull	4-525-4
4-26	Pion spectrum from protons	Lindenbaum	M. Bull	4-526-4
4-26	Equation type	Wood Reac	M. Bull	4-527-4
4-26	Behavior of divalent cations	Steffenson Biol	M. Bull	4-528-4
4-26	Titration of the transforming activity of DNA	Drew Med	M. Bull	4-529-4
~~4-26~~	~~Pulmonary arterial pressure~~	~~Strong Med~~	~~M. Bull~~	~~4-530-4~~
9/25/51	declassified neg. log # D 1740 axial traverse of DNL Reactor loading 419 channels	Cherniak Nuc. Eng	M. Herbert	4-530-4

4-530-4

Date	Caption	Dept.	Photographer	Number
4-26	Fermentation of glucose -2-C 14 etc.	Paege Biol	M. Bull	4-531-4
4-26	Fermentation of glucose -C-C14	Paege	M. Bull	4-532-4
4-27	Dependance of polymerization rate of acrylamide on irradiation intensity	Ballantine Nuc. Eng.	M. Bull	4-533-4
4-27	determination K and a values by means of ~~xx~~ osmometry	Ballantine	M. Bull	4-534-4
4-27	Polymerization of acrylamide at varying irradiation intensities	Ballantine	M. Bull	4-535-4
4-27	Solid state polymerization of acrylamide initiated by ~~x~~ gamma radiation	Ballentine	M. Bull	4-536-4
4-22	Lulu Anderson at rooting bench in greenhouse	Shapiro Biol	R. Walton	4-537-4
4-23	Irradiating liquids	P.Richards Hot Lab	R. Walton	4-538-4 & 4-539-4
~~4-23~~ 4-26	Effect of indoleacitic acid	Gibbs Biol	M. Bull	4-540-4
4-26	location of C14 in alcohol	Gibbs	M. Bull	4-541-4
4-26	Effect of age of tissue on etc.	Gibbs	M. Bull	4-542-4
4-26	Evaluation of C 6/C, ratio for various plant material	Gibbs	M. Bull	4-543-4
4-26	Co 2 ethanel produced anaerobically by corn root tips	Gibbs	M. Bull	4-544-4
4-26	Pathways of Hexose dissimilation	Gibbs	M. Bull	4-545-4
4-29	Counts per minute scale	Taffley Elec.	M. Bull	4-546-4
4-29	PM of salt neg. mag. 153.6 X print approx. 229.9 X	Hittman Nuc. Eng.	R. Smith	4-547-4
4-29	PM of plant autograph 37 X	T. Stonier Biol	R. Smith	4-548-4
4-29	PM of plant autograph 128 X	Stonier	R. Smith	4-549-4
4-29	PM of plant autograph 37X	Stonier	R. Smith	4-550-4

4-550-4

Date	Caption	Dept.	Photographer	Number
4-29	copy neg of pulse with grid	Schardt Orlowsky	M. Bull	4-551-4
4-30	PM of path tissue	Saunders Biol	R. Smith	4-552-4 thru 4-557-4
4-27	Medical Exhibit	Finn Med	R. Walton	4-558-4
4-26	B-ray set-up using active source	Austin Hot Lab.	R. Walton	4-559-4
4-26	Loop	Klein Nuc. Eng.	R. Walton	4-560-4 thru ~~4-56~~x 4-562-4

May

Date	Caption	Dept.	Photographer	Number
[illegible]	Schematic -segments	Shapiro Biol	M. Bull	5-1-4
5-3	Inequality of regeneration	Shapiro	M. Bull	5-2-4
5-3	Polority of regeneration	Shapiro	M. Bull	5-3-4
5-3	Inequality of reganeration on proximal surfaces etc.	Shapiro	M. Bull	5-4-4
5-3	Days vs % of total buds	Shapiro	M. Bull	5-5-4
5-3	Days vs. % of total buds	Shapiro	M. Bull	5-6-4
5-3	Segment vs. % of total buds	Shapiro	M. Bull	5-7-4
5-3	Inequality of regeneration	Shapiro	M. Bull	5-8-4
5-3	curve graph	Biegleisen Chem	M. Bull	5-9-4
5-3	Calculated curves from research	Biegleisen	M. Bull	5-10-4
5-3	Time in hours vs. formula	Biegleisen	MM. Bull	5-11-4
[illegible]3	Mutations per 10^{-4} male gametes	Konzak Biol	M. Bull	5-12-4
5-3	Comparison between spores	Woodward Biol	M. Bull	5-13-4
5-3	Effectiveness of mutagens	Woodward	M. Bull	5-14-4
5-3	Test for mutations schematic	Woodward	M. Bull	5-15-4
5-4	Table I summary of average values	Stroud Med	M. Bull	5-16-4
5-4	Table II summary of average blood volume	Stroud	M. Bull	5-17-4
5-4	Length of channel in feet vs temp ^{o}F	Dwyer ~~Reactor~~ NUC ENG	M. Bull	5-18-4
5-4	Schematic fuel channels and coolant channels	Dwyer	M. Bull	5-19-4
5-4	Length of element vs. temp ^{o} F	Dwyer	M. Bull	5-20-4
[illegible]	Schematic reactor	Dwyer	M. Bull	5-21-4
[illegible]0	~~xx-30~~x X-ray copy neg	Saunders Biol	M. Bull	5-22-4 thru 5-24-4

5-24-4

Date	Caption	Dept.	Photographer	Number
4-30	Radioautograph copy neg.	Richards Hot Lab.	M. Bull	5-25-4 thru 5-31-4
4-30	Mercury droplets	D. Pierce Nuc. Eng.	J. Garfield	5-32-4 thru 5-41-4
5-5	Influence of atmosphere on frequency of induced mutations in maize	Konzak Biol	M. Bull	5-42-4
5-5	Influence of atmosphere on frequency of X-ray induced mutations	Konzak	M. Bull	5-43-4
5-5	Influence of atmosphere on induced mutations	Konzak	M. Bull	5-44-4
5-5	Mutations per 10^{-4} gametes	Konzak	M. Bull	5-45-4
4-29	Tobacco plants	Sparrow Biol	R. Walton	5-46-4 thru 5-74-4
	COLOR on tobacco plants C5-47-4 C5-48-4, C5-49-4, C5-55-4, C5-56-4, C5-58-4, C5-59-4, C5-60-4, C5-61-4 C5-62-4, C5-63-4, ~~XXXXX~~, C5-64-4, C5-65-4, C5-66-4, C5-67-4, C5-71-4 C5-72-4, C5-74-4			
5-5	Copy of x-rays	Klein Nuc.Eng.	M. Bull	5-75-4 & 5-76-4
5-5	Slug charging interlock	Horn Hot Lab.	M. Bull	5-77-4
5-5	Declassified neg Log # C 672	J. Floyd		5-78-4
5-6	Time soaked (hours) vs. height of seedlings	Caldicott Biol	M. Bull	5-79-4
5-6	Relative humidity vs. height of seedlings	Caldicott	M. Bull	5-80-4
5-6	Time soaked vs height of seedlings	Caldicott	M. Bull	5-81-4 & 5-82-4
5-6	Time soaked (hours) vs. water intake	Caldicott	M. Bull	5-83-4
5-7	~~Relation of water content~~ Relation of water content of barley seeds to relative humidity	Caldicott	M. Bull	5-84-4
5-6	Mercury droplet column	Pierce Nuc. Eng.	M. Garfield	5-85-4

5-85-4

Date	Caption	Dept.	Photographer	Number
5-10	Close-up of mouse being irradiated	Stoner Med.	R. Smith	5-86-4
5-10	Device for radiating eye of mouse	Stoner	R. Smith	5-87-4 & 5-88-4
5-10	PM of pathology tissue	Godwin Med	R. Smith	5-89-4 thru 5-95-4
5/11/54	Air slot background Data	Schamberger REACTOR	Herbert	5-96-4
"	Flux in air 4.5' above Fe Streaming Path	"	"	5-97-4
"	Gamma ray transmission of cylindrical V aids in H20	"	"	5-98-4
"	Schematic drawing	"	"	5-99-4
"	Geometry of 3" x 24" x 48" air slot test	"	"	5-100-4
4-29	Nuclear Engineering study group	Hansteen Nuc. Eng.	R. Walton	5-101-4
4-29	Mutant Zinnia	Sparrow Biol	R. Walton	5-102-4 & C5-102-4
4-29	Bottles of sludge	Hittman Nuc. Eng.	R. Walton	5-103-4 & C5-103-4 5-104-4 & C5-104-4
4-29	Heating set-up for sludge tanks	Hittman	R. Walton	5-105-4
4-29	Barley seedlings	Caldicott Biol	R. Walton	5-106-4 & 5-107-4
5-3	Complete heat-exchanger loop	Horn Hot Lab.	R. Walton	5-108-4
5-3	Bad bead weld	Horn	R. Walton	5-109-4
5-3	Cracked weld joint	Horn	R. Walton	5-110-4
5-2	Completed tank	Scarlett Hot Lab.	R. Walton	5-111-4
4-29	COLOR Color differance in radiated plants	Sparrow Biol	R. Walton	C5-112-4

5-112-4

Date	Caption	Dept.	Photographer	Number
5-11	Oxidation of polymers	Bauman Nuc. Eng.	Bull/Lasky	5-113-4
5-11	Silicone rubbers	Bauman	Bull/Lasky	5-114-4
5-11	High temperature properties of various plastics	Bauman	Bull/ Lasky	5-115-4
5-11	Teflon	Bauman	Bull/Lasky	5-116-4
5-11	chemical groupings ranked in order of txfx radiation stability	Bauman	Bull/Lasky	5-117-4
5-11	inorganic polymers	Bauman	Bull/Lasky	5-118-4
5-11	Phenolformaldehyde resins	Bauman	Bull/Lasky	5-119-4
5-11	oxidation of polymers	Bauman	Bull/Lasky	5-120-4
5-11	polar silicones	Bauman	Bull/Lasky	5-121-4
5-11	fluoracrylates	Bauman	Bull/Lasky	5-122-4
[illegible]1	fluoralkyl silicones	Bauman9	Bull/Lasky	5-123-4
5-11	Failure temperatures	Bauman	Bull/Lasky	5-124-4
5-11	momenta of particles etc.	Whittemore Physics	Bull/Lasky	5-125-4
5-11	positive tracks(with sense as shown)	Whittemore	Bull/Lasky	5-126-4
5-11	Negative tracks (with sense as shown)	Whittemore	Bull/Lasky	5-127-4
5-11	elastic collision pion energy	Whittemore	Bull/Lasky	5-128-4
5-11	momenta of particles from elastic collision pion energy etc.	Whittemore	Bull/Lasky	5-129-4
5-11	magnification as function of position in 3 D projector	Whittemore	Bull/Lasky	5-130-4
5-11	copy of drawing of eye	Saunders Biol	Bull/Lasky	5-131-4
5-11	tensile properties of polymers	Bauman Nuc. Eng.	Bull/Lasky	5-132-4
5-11	schematic structure of an elastomer	Bauman	Bull/Lasky	5-133-4
[illegible]1	stress/strain data	Bau,an	Bull/Lasky	5-134-4
5-11	glycerol triolein data	Gidez Med	Bull/Lasky	5-135-4

Date	Caption	Dept.	Photographer	Number
5-11	intestinal absorbtion of C14 labled triolein	Gidez Med	Bull/Lasky	5-136-4
5-11	glycerol data on rats	Gidez	Bull/Lasky	5-137-4
5-11	lipides data	Gidez	Bull/Lasky	5-138-4
5-11	LPH/LNF & IPH/INF data	Gidez	Bull/Lasky	5-139-4
5-11	% of absorbed counts in respiratory CO 2	Gidez	Bull/Lasky	5[illegible]
5-11	% lipolysis phosphatide data	Gidez	Bull/Lasky	5[illegible]
5-11	% of administered triolein	Gidez	Bull/Lasky	[illegible]
5-11	% of administered triolein	Gidez	Bull/Lasky	[illegible]
5-11	copy of graph	Sunyar Phys	Bull/Lasky	[illegible]
5-11	copy of chart	Sunyar	Bull/Lasky	[illegible]
[illegible]11	copy of chart	Alburger Phys	Bull[illegible]	[illegible]
5-11	copy of chart excitation energy	Albu[illegible]	[illegible]	[illegible]
5-11	relative thermal stability of [illegible] polumethylene and hydro[illegible] polymers from nati[illegible] standards te[illegible]	[illegible] Eng.	Lasky	5-148-4
[illegible]	[illegible]	Saunders Biology	Smith	5-149-4 thru 5-156-4
	Copy of schematic drawing	Fluke-Bio	Lasky	5-157-4
5/13/54	copies of graphs and tables	Sparrow-Bio	Lasky	5-158-4 thru 5-162-4
5/13/54	copy of nuclear tracks	Goldhaber Physics	Lasky	5-163-4
5/13/54	copy of pencil drawing of nuclear tracks	Salant Physics	Lasky	5-164-4
5/13/54	copy of pencil drawingof tracks	"	Lasky	5-165-4
5/13/54	copy of schematic diagram of I^{132} milking unit	Tucker Hot Lab	Lasky	5-166-4

Date	Caption	Dept.	Photographer	Number
5/13/54	Theif type sampler	Raseman	Lasky	5-167-4
5/13/54	Rare earth distribution in the presenc of Magnesium	Nuc Eng "	"	5-168-4
5/13/54	Variation of the Uranium concentration in the Bismuth of Loop C	"	"	5-169-4
5/13/54	Results of bench contactor experiment	"	"	5-170-4
5/13/54	Variation of uranium concentration in Loop C. Zr and Mg present in Bismuth	"	"	5-171-4
5-11	Loop poor joint weld	Horn Hot Lab.	R. Walton	5-172-4
5-11	Loop cutaway showing grease etc.	Horn	R. Walton	5-173-4
5-7	Magnet model	Caulton A.G.S.	R. Walton	5-174-4
5-7	Pumping down	Caulton	R. Walton	5-175-4
5-11	Time lock for vault	Harris Physics	R. Walton	5-176-4 thru 5-179-4
5-10	Sludge settlement	Hittman Nuc. Eng.	R. Walton	5-180-4 thru 5-182-4
5-11	Mercury through water	Pierce Nuc. Eng.	J. Gaffield	5-183-4 & 5-184-4
5-17	PM of autograph	Godwin Med.	R. Smith	5-185-4 & C5-185-4 & 5-186-4 & C5-186-4
5-17	Macro photo of chickory bud	Shapiro Biol	R. Smith	5-187-4 & 5-188-4
5-17	PM of pathology tissue	Saunders Biol	R. Smith	5-189-4 & 5-190-4
5-17	PM of metal foil surface Sample A 600X print aprox 900X	Schlafke Cosmo	R. Smith	5-191-4
5-17	PM of metal foil surface Sample B 600X print aprox 900X	Schlafke	R. Smith	5-192-4
5-17	PM of metal foil surface Sample C 600X print aprox 900X	Schlafke	R. Smith	5-193-4

Date	Caption	Dept.	Photographer	Number
5-17	PM of metal foil surface Sample B_600X print aprox 900 X	Schlafke Cosmo	R. Smith	5-194-4
5-17	cross section through the small intestine -copy from book	Gidez Med.	A. Lasky	5-195-4
5-17	finer structure of intestine copy from book	Gidez	A. Lasky	5-196-4
5-18	Fast electrometer amplifier	L.Smith Phys	M. Bull	5-197-4
5-18	Effects of nonepinephrine Infusion	Conn Med	M. Bull	5-198-4 & 5-199-4
5-18	Muscular contraction typed	Koshland Biology	M. Bull	5-200-4
5-18	Graph- copied from "Nature"	Koshland	M. Bull	5-201-4
5-18	Typed formula	Koshland	M. Bull	5-202-4
[illegible]18	Medical exhibit	Finn Med	J. Garfield	5-203-4
5-18	Typed tables	Stoner Med	M. Bull	5-204-4 thru 5-212-4
5-18	Typed tables	Owen Chem	M. Bull	5-213-4 thru 5-217-4
5-71	Mercury through water	Pierce Nuc. Eng.	J. Garfied	5-218-4 thru 5-226-4
5-7	Mercury through water	Pierce	R. Walton	5-227-4 thru 5-233-4
5-18	Schematic chart	Blewett ADD	M. Bull	5-234-4
5-19	typed table	Deschner Biol	M. Bull	5-235-4 & 5-236-4
5-19	Stage irradiated, stage analyzed	Deschner	M. Bull	5-237-4
5-19	Stage irradiated, range of flux x 10	Deschner	M. Bull	5-238-4

Date	Caption	Dept.	Photographer	Number
5-19	Chart stage irradiated vs fragments	Deschner Biol	M. Bull	5-239-4
5-19	Neutron exposure vs. abberrarations	Deschner	M. Bull	5-240-4
5-19	ratio of fragments vs. neutron exposure	Deschner	M. Bull	5-241-4
5-19	Neutron exposure vs. ratio of rejoins	Deschner	M. Bull	5-242-4
5-19	Stage irradiated vs. no. of abberations	Deschner	M. Bull	5-243-4
5-19	Wiring diagram	Raynor Reactor	M. Bull	5-244-4
5-19	Schematic end view	Raynor	M. Bull	5-245-4
5-19	Pencil sketch of dissolver and slug lock	Horn Hot Lab.	M. Bull	5-246-4
5-19	counts per minute vs. amperes	Alburger Physics	M. Bull	5-247-4
5-19	change in EEK vs change in ~~mean~~ mean blood pressure.	Dahl Medical	M. Bull	5-248-4
~~5-19~~	~~Pulse height vs. incident~~	~~Alburger Physics~~	~~M. Bull~~	~~5-249-4~~
5-19	Schematic cellimotor	Eisberg Physics	M. Bull	5-249-4
5-19	Schematic	Rand Reactor	M. Bull	5-250-4
5-19	Hot lab tool schematic diagram	Rand	M. Bull	5-251-4
5-19	Hot lab tool diagram	Rand	M. Bull	5-252-4
5-19	Dr. Raseman left to Jim Klein LMFR	Burt Adm	R. Smith	5-253-4
5-19	Flourine torch LM.F.R.	Burt	R. Smith	5-254-4
5-19	L.M.F.R. Dr. Raseman	Burt	R. Smith	~~5-255-4~~ 5-255-4
5-19	LM.F.R. Dr. Raseman	Burt	R. Smith	5-256-4
5-19	LMFR Dr. Raseman	Burt	R. Smith	5-257-4
5-13	COLOR sludge test	Hittman Nuc. Eng.	R. Walton	C5-258-4 thru C5-261-4

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Date	Caption	Dept.	Photographer	Number
5-21	Thallium exchange catalysis	Dodson Chem	M. Bull	5-262-4
5-21	Thallium extraction	Dodson	M. Bull	5-263-4
5-21	Curve from chemistry journal	Dodson	M. Bull	5-264-4
5-21	Formula from chemistry journal	Dodson	M. Bull	5-265-4
5-21	Thallium exchange	Dodson	M. Bull	5-266-4
5-21	Thallium extraction	Dodson	M. Bull	5-267-4
5-21	Curves from Chemistry journal	Dodson	M. Bull	5-268-4
5-21	C 137 singles spectrum	Rier Reactor	M. Bull	5-269-4
5-21	Scope shot	Emberson AUI	M. Bull	5-270-4
5-21	Transverse section of plugged loop	Raseman Nuc. Eng.	M. Bull	5-271-4
5-21	copy of photostat concentration of stainless steel etc.	Raseman	M. Bull	5-272-4
5-21	Flow diagram of loop B	Raseman	M. Bull	5-273-4
5-24	Temperature degrees C vs. neutron count/min	Mc Reynolds Phys.	M. Bull	5-274-4 & thru 5-276-4
5-24	Temp degrees ABS vs. relative intensity of magnetization	McReynolds	M. Bull	5-277-4
5-24	Schematic elastic, inelastic	McReynolds	M. Bull	5-278-4
5-24	Scattering angle vs. neutron counts/min	McReynolds	M. Bull	5-279-4
5-24	Scattering angle degrees vs. neutron c counts/min	McReynolds	M. Bull	5-280-4
5-24	Relative temperature vs. diffracted intensity	McReynolds	M. Bull	5-281-4
5-17	B.E.R.A. play	Vogt Recreation	R. Walton	5-282-4 thru 5-291-4
5-25	Vinylite plastic sealer	Susskind	R. Smith	5-292-4
	Vinylite bag	Susskind	R. Smith	5-293-4

Date	Caption	Dept.	Photographer	Number
5-25	Atom transfer	Dodson Chem	M. Bull	5-294-4
5-25	Ion approach and deformation of hydration shell	Dodson	M. Bull	5-295-4
5-25	Ferrous-Ferric rate constants	Dodson	M. Bull	5-296-4
5-25	atom transfer	Dodson	M. Bull	5-297-4
5-25	Sequestration technique to avoid induced exchange	Dodson	M. Bull	5-298-4
5-25	Hydrogen atom transfer	Dodson	M. Bull	5-299-4
5-25	Graph	Dodson	M. Bull	5-300-4
5-25	Chloride-ion concentration	Dodson	M. Bull	5-301-4
5-25	formula rapid reversable, rate determining	Dodson	M. Bull	5-302-4
5-25	Thallium exchange chloride effect	Dodson	M. Bull	5-303-4
5-25	Normally open and closed valves	Rand ~~Nuc. Eng.~~ HOT LAB	M. Bull	5-304-4
5-25	Regression of seedling mutations	Caldicott Biol	M. Bull	5-305-4
5-25	Regression of interchanges in microsporocytes	Caldicott	M. Bull	5-306-4
5-25	Relationship between culture method and mitotic activity in trillium anthers	Kojans Biol	M. Bull	5-307-4
5-25	relationship between culture media and totic activity in trillium anthers	Sparrow Biol	M. Lssky	5-308-4
5-25	taylor's basic medium - typed table	Sparrow	A. Lasky	5-309-4
5-25	% of In Situ and in vitro anthers attaining microspore divisions from various porophase stages	Sparrow	A. Lasky	5-310-4
5-25	composition of the nutrient media used	Sparrow	A. Lasky	5-311-4
5-25	Copy of ~~[illegible]~~ diffraction neg. Au foil	Kaplan Nuc. Eng.	A. Lasky	5-312-4 & 5-313-4
5-26	Artist sketch of AGS	Burt	M. Bull	5-314-4 & 5-315-4

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5-25	Hot TCA extraction of P 32 from micrococcus cryophilus	Forro Biol	M. Bull	5-316-4
5-25	Hot TCA extraction of P 32 labeled micrococcus cryophilus	Forro	M. Bull	5-317-4
5-25	relation of autograph grain density to exposure time to P 32	Forro	M. Bull	5-318-4
5-25	growth of P 32 labeled micrococcus cryophilus in non-labeled medium	Forro	M. Bull	5-319-4
5-25	growth of micrococcus cryophilus in P 32 labeled peptone	Forro	M. Bull	5-320-4
5-25	growth of micrococcus cryophilus P 32 retention experiment	Forro	M. Bull	5-321-4
5-25	growth of P 32 labeled micrococcus cryophilus in non-labeled medium	Forro	M, Bull	5-322-4
5-25	dist of P 32 in micrococcus cryophilus after 100 fold growth in non-labeled medium	Forro	M. Bull	5-323-4
5-25	Distribution of P 32 in micrococcus cryophylis	Forro	M. Bull	5-324-4
5-25	Electron energy (Mev) vs. Hp (Gauss CM)	Schardt Elec	M. Bull	5-325-4 & 5-326-4
5-25	Elutriant volumn (ml) vs. Adenine concentration	Koshland Biol	M. Bull	5-327-4
5-18	Medical exhibit	Finn Med.	J. Garfield	5-328-4 & 5-329-4
5-25 ~~5-27~~	copy negs of radioautographs	Austin Hot Lab.	A. Lasky	5-330-4 & 5-331-4
5-27	PM of pathological tissue COLOR (10)	Godwin	R. Smith	
5-27	PM of pathological tissue COLOR(4)	Saunders	R. Smith	
6-26	Data on patients Table I a	Dahl Med	M.. Bull	5-332-4
5-26	Table I c data on patients	Dahl	M. Bull	5-333-4
5-26	Table I b data on patients	Dahl	M. Bull	5-334-4

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Date	Caption	Dept.	Photographer	Number
5-25	Bearing wear on impeller	Rand ~~Reactor~~ ~~Nuc. Eng.~~ REACTOR	R. Walton	5-335-4 thru 5-337-4
5-14	Condensor	Isler Nuc. Eng.	R. Walton	5-338-4 & 5-339-4
5-24	Spectrometer	Goudsmit Physics	R. Walton	5-340-4 & 5-341-4
5-25	Target in vaccuum chamber	McReynolds Physics	R. Walton	5-342-4 & 5-343-4
5-13	Hot lab exhibit	Stang Hot lab	R. Walton	5-344-4 thru 5-346-4
5-13 & 5-25	Sludge test	Hittman Nuc. Eng.	R. Walton	5-347-4 thru 5-354-4
5-27	Excitation curves of bromine isotopes	Caretto Chem	M. Bull	5-355-4
5-27	Excitation curves of strontium nuclides from Yttrium	Caretto	M. Bull	5-356-4
5-27	Excitation curves of ~~strontium~~ Yttrium nuclides from Yttrium	Caretto	M. Bull	5-357-4
5-27	Excitation curves of Sn 82 and Rb 82 from Yttrium	Caretto	M. Bull	5-358-4
5-27	Excitation curves of Se 72 and As 72 from Yttrium	Caretto	M. Bull	5-359-4
5-27	Excitation curves of Se 73mand As 74 from Yttrium	Caretto	M. Bull	5-360-4
5-27	Excitation curves of rubidenium nuclides from Yttrium	Caretto	M. Bull	5-361-4
5-27	Excitation curves of ~~Bromine isotopes~~ zirconium nuclides from yttrium	Caretto	M. Bull	5-362-4
5-27	Counts per min vs. days	Caretto	M. Bull	5-363-4
5-27	Yield in counts per min vs. hours	Caretto	M. Bull	5-364-4
5-27	~~Counts per min vs. days~~	Caretto	M. Bull	~~5-365-4~~ ~~5-366-4~~
5-27	Typed data	Caretto	M. Bull	5-367-4

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5-27	Typed data	Caretto Chem	M. Bull	5-368-4 & 5-369-4
5-27	Typed formula	Wiswall Nuc. Eng.	M. Bull	5-370-4 thru 5-374-4
5-27	Typed chart	Wiswall	M. Bull	5-375-4
5-27	F discrepancy	Wiswall	M. Bull	5-376-4
5-27	# Release of P 32 during hydrolysis	Forro Biol	M. Bull	5-377-4
5-27	X-ray inactivationsof cryophilus	Forro	M. Bull	5-378-4
5-27	Extraction of P 32 with ribonucleose	Forro	M. Bull	5-379-4
5-27	Extraction of P 32	Forro	M. Bull	5-380-4
5-27	Hydrolytic release of P 32	Forro	M. Bull	5-381-4
5-27	Release of P 32 from cryophyllius	Forro	M. Bull	5-382-4
5-27	Distance (cm) vs. optical density	Papano Medical	M. Bull	5-383-4 A+B
5-27	Distance (cm) vs. optical density	Papano	M. Bull	5-384-4
5-27	Pulse height vs. relative counts	Mihelich Phys	M. Bull	5-385-4
5-27	Fig. 9 Schematic	Mihelich	M. Bull	5-386-4
5-27	Schematic line drawing	Mihelich	M. Bull	5-387-4
5-27	Pulse height vs. relative counts	Mihelich	M. Bull	5-388-4
~~5-20~~ 5-20	Ailments in Biology cold room construction	Brunini AP & PM	Christoffersen	5-389-4 thru 5-392-4
5-19	Ailiments in biology cold rm. construction	Lancaster AEC	Christoffersen	5-393-4 & 5-394-4
5-18	Deuterium furnace	Kenny-Phys	J. Garfield	5-395-4 & 5-396-4

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5-19	component of M.G. set control console	W.Merkel Cosmo	Garfield - APC 9	5-397-4 thru 5-407-4
5-19	Ailments in cold room construction in Biol	Lancaster AEC.	R. F. Smith	5-408-4 thru 5-410-4
5-27	Chart Medical Research at BNL	Farr Med	M. Bull	5-411-4
5-24	Corn mutations COLOR	Singleton	R. Walton	C5-412-4
5-24	Sludge tests COLOR	Hittman	R. Walton	C5-413-4 thru C5-416-4
5-27	LMFR metallurgy test Bi U	Burt	R. Smith	5-417-4
5-27	LMFR metallurgy test Bi U system	Burt	R. Smith	5-418-4
5-27	LMFR loop experiment	Burt	R. Smith	5-419-4
5-27	~~xxxxxxxx~~ L.M.F.R. Jim Klein at control board ~~for~~ of loop for placing in pile	Burt	R. Smith	5-420-4
5-27	L.M.F.R. Bismuth uranium system metallurgy tests	Burt	R. Smith	5-421-4
5-27	Calcinator	Isler Nuc. Eng.	R. Walton	5-422-4
5-27	Heating set-up for sludge tests	Hittman Nuc. Eng.	R. Walton	~~5-423~~ 5-423-4
5-26	Visitor-Pile model	Burt	R. Walton	5-424-4
6-1	Asperation biopsy equipment	Godwin Med.	R. ~~XX~~ Smith	5-425-4

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6-1	In Pile loop	Susskind Nuc. Eng.	R. Smith	6-1-4 & 6-2-4
6-1	Portrait Dr. R. Singleton	Singleton Biol	H.F. Garfield	6-3-4
6-1	Close-up of mouses head showing position for radiation of eye	Stoner Med	R. Smith	6-4-4
6-1	Device for radiating eye of mouse in use. This shows the method used to hold mouse ~~xxxxxx~~ in position	Stoner	R. Smith	6-5-4
6-1	Overall view of device for radiating eye of mouse	Stoner	R. Smith	6-6-4
6-1	Close-up of top of device for radiating eye of mouse	Stoner	R. Smith	6-7-4
6-1	Side view of device for radiating eye of mouse	Stoner	R. Smith	6-8-4
6-1	Lucite holder for mouse	Stoner	R. Smith	6-9-4
6-1	PM of chromosomes A 5964 M 154 X	Sparrow Biol	R. Smith	6-10-4
6-1	PM of chromsomes A 5964M 1152X	Sparrow	R. Smith	6-11-4
6-1	PM of chromosomes A 5763 F 320X	Sparrow	R. Smith	6-12-4
6-1	PM of chromosomes A 5763 F 320X	Sparrow	R. Smith	6-13-4
6-1	PM of chromosomes A 5763 F 320X	Sparrow	R. Smith	6-14-4
6-1	PM of chromosomes A 5763 F 1152X	Sparrow	R. Smith	6-15-4
6-1	PM of chromosomes A 5908 D 154X	Sparrow	R. Smith	6-16-4
6-1	PM of chromosomes A 5827 C 320 X	Sparrow	R. Smith	6-17-4
6-1	PM of chromosomes A 5764 C 154 X	Sparrow	R. Smith	6-18-4
6-1	PM of chromosomes A 5758 B 1152 X	Sparrow	R. Smith	6-19-4
5/24	Detail of tulip	Sparrow	J. Garfield	6-20-4 & C6-20-4 6-21-4 & C6-21-4
6-2	PM ~~tyxxx~~ thyroid	Shellabarger Med.	R. Smith	6-22-4 thru 6-26-4

+ / color slid

Date	Caption	Dept.	Photographer	Number
5-27	Chromatograph	Papano Med.	M. Bull	6-27-4
6-2	PM pathology tissue	Saunders Biol	R. Smith	6-28-4 & 6-29-4
5-27	Portrait D. Gurinsky	Burt	Christoffersen	6-30-4
5-27	Portrait F. Miles	Burt	Christoffersen	6-31-4
5-27	Portrait I. Kaplan	Burt	Christoffersen	6-32-4
6-3	Slow neutron reactions	Godwin Med	H. Maile	6-33-4
6-3	Typed tables (3)	Shellabarger Med.	H. Maile	6-34-4 thru 6-36-4
6-3	Effect of tissue age on pathway of glucose oxidation in castor bean	M.Gibbs Biol	H. Maile	6-37-4
6-3	table- glucose fermentation by pseudomonas lindneri	Gibbs	H. Maile	6-38-4
6-3	table- isotope distribution in sugars	Gibbs	H. Maile	6-39-4
6-3	table- metabolism of G-Phosphogluconate	Gibbs	H. Maile	6-40-4
6-3	potentiometer setting -OHMS	Alburger ~~Nuc. Eng.~~ PHYSICS	H. Maile	6-41-4
6-3	Graph	Alburger	H. Maile	6-42-4
6-3	Graphs (3)	Bernstein Eled.	H. Maile	6-43-4 thru 6-45-4
6-3	Atomic weight of target nucleus	Harvey Phys	H. Maile	6-46-4 & 6-47-4
6-3	Spin (I) of ltarget nucleus	Harvey	H. Maile	6-48-4 & 6-49-4
6-1	Method of welding under helium atmosphere	J. Klein Nuc. Eng.	R. Walton	6-50-4
6-1	Glass cap for head welding	Klein	R. Walton	6-51-4

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6-1	Gang of diffusion pumps for loop	J.Klein Nuc. Eng.	R. Walton	6-52-4
6-1	Comparison welds both in and out of helium atmosphere	Klein	R. Walton	6-53-4
6-4	Potassium and cesium transport	Dunham Med	H. Maile	6-54-4
6-4	Sodium transport	Dunham	H. Maile	6-55-4
6-4	Effects of towered PH on K-Na transport	Dunham	H. Maile	6-56-4
6-4	Unsteady state equations	Dunham	H. Maile	6-57-4
6-4	Cumulative % retained	Lewallen Med.	H. Maile	6-58-4
6-4	100 cumul ative uranary % extretion	Lewallen	H. Maile	6-59-4
6-4	R.B. I 131 HSA of 2/22/54	Lewallen	H. Maile	6-60-4
6-4	C.C I 131 HSA of 2/22/54	Lewallen	H. Maile	6-61-4
6-4	J.G.I 131 HSA of 8/28/53 Plot # 1	Lewallen	H.Maile	6-62-4
6-4	MH I 131 HSA of 5/13/54	Lewallen	H. Maile	6-63-4
6-4	Resolution test chart	Fowler	H. Maile	6-64-4
6-4	Conversion electron spectra of At 211, 210 209	Mihelich Phys	H. Maile	6-65-4
6-2	Screw feed for calcinator	Hittman Nuc. Eng.	R. Walton	6-66-4
6-1	Slow chopper	Seidl Phys	R. Walton	6-67-4 & 6-68-4
6-1	Play-Joan of ~~Lorr~~ Lorrain	Vogt Recreation	R. Walton	6-69-4 thru 6-75-4
5-27	Medical Exhibit	Farr Med.	M. Bull	6-76-4 thru 6-78-4
6-2	Emergency diaster test	Williams Security	J. Garfield	6-79-4 thru 6-92-4

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6-8	Copy of thermocouple leads	J. Klein	H. Maile	6-93-4 thru 6-95-4
6-8	line graphs	Whittemore Phys	H. Maile	6-96-4 & 6-97-4
6-8	Effects of head or body irradiations after 30 uc I 131 on incidence of pituitary tumors	Edelman Biol	H. Maile	6-98-4
6-8	Effects of radiothroidestomy followed by radiosodium on ~~xxx~~ incidenceof pituitary tumors	Edelman	H. Maile	6-99-4
6-8	Effect of castration followed by x irradiation on incidence of pituitary tumors	Edelman	H. Maile	6-100-4
6-8	Uranium, wt-%	Teitel Nuc. Eng.	H. Maile	6-101-4
6-8	Intermetallic compound dispersions in the U-Th-Pb-Bi-Sn systems	Teitel	H. Maile	6-102-4
6-8	Relation of water uptake in seeds of barley to the time of soaking at 3° C	Caldicott Biol	H. Maile	6-103-4
6-9	Lucite containers for salamanders	Sparrow Biol	R. Smith	6-104-4
6-9	PM of chromosomes Slide # A 5827-C Mag. 320 X	Sparrow	R. Smith	6-105-4
6-9	Threshold internal conversion in the L & M sub-shells	Church Phys	H. Maile	6-106-4
6-10	Polorôid pulses	Welker Chem	H. Maile	6-107-4
5-12-48	Orfice assembly declassified	Baries	R. Walton	~~6-108-4~~
6-10	C12 (P,Pn) C" reaction	Wolfgang Chem	H. Maile	6-109-4
6-10	Line graph	King Biol	H. Maile	6-110-4
6-10	Spectrum no. C sample BnF 5 6-1-54 etc.	Littman Nuc. Eng.	H. Maile	6-111-4

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6-7	PM 's	Konzak Biol	R. Walton	6-112-4 thru 6-118-4
6-4	Plant tumors - also 2 ea color slides	Sparrow Biol	R. Walton	6-119-4 thru 6-129-4
6-14	COLOR salamander (4)	Sparrow	R. Smith	
6-9	Inside of RR car	Hill Receiving	R. Walton	6-130-4 thru 6-134-4
6-14	Brain cancer patient: front view right profile left profile rear view close up of radiated area	Cotzias Med	R. Smith	 6-135-4 6-136-4 6-137-4 6-138-4 6-139-4
6-14	Brain cancer patient: front view left profile close up of radiated area right profile rear view	Cotzias Med	R. Smith	 6-140-4 6-141-4 6-142-4 6-143-4 6-144-4
6-14	Brain cancer patient: left profile front view rear view right profile close up of radiated area	Cotzias	R. Smith	 6-145-4 6-146-4 6-147-4 6-148-4 6-149-4
6-15	PM's of wasp antenna	Clark Biol	R. Smith	6-150-4 thru 6-160-4
6-k4	summary of heat transfer calculations for externally cooled LMFR	Dwyer Nuc. Eng.	A. Lasky	6-161-4
6-14	Comparison of different core designs	Dwyer	A. Lasky	6-162-4
6-14	summary of design conditions for heat exchanges for externally cooled version of LMFR	Dwyer	A. Lasky	6-163-4
6-14	Summary of design conditions for heat exchangers, etc.	Dwyer	A. Lasky	6-164-4
6-14	Summary of heat transfer calculations for externally cooled LMFR	Dwyer	A. Lasky	6-165-4
6-14	Summary of secondary heat exchanger			

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6-14	Summary of secondary heat exchanger designs, for internally cooled LMFR	Dwyer Nuc.Eng.	A. Lasky	6-167-4
6-14	Summary of secondary heat exchanger designs for internally cooled LMFR	Dwyer	A. Lasky	6-168-4
6-14	Comparison of different core designs	Dwyer	A. Lasky	6-169-4
6-14	Vacuum jacket data	Seidl Physics	A. Lasky	6-170-4
~~6-14~~ 6-8	Calcinator	Hittman Nuc. Eng.	R. Walton	6-171-4
6-14	Fuel element	Fox Reactor	R. Walton	6-172-4
6-15	Waste storage Schematic	Hittman Nuc. Eng.	A. Lasky	6-173-4
6-15	Burial technique Schematic	Hittman	A. Lasky	6-174-4
6-16	Negs from L.M.F.R. movies	Hittman	R. Fuka	6-175-4 thru 6-187-4
6-16	Heart of liquid metal fuel reactor.	Burt		6-188-4
6-15	copy of schematic drawings	Van Slyke Med.	A. Lasky	6-189-4 thru 6-191-4
6-17	Liquid metal fuel reactor	Burt.		6-192-4
6-14	~~General view pp2~~			
6-14	General view of loop	J. Klein Nuc. Eng.	R. Walton	6-193-4 & 6-194-4
6-14	Magnet	Mede Cosmo	R. Walton	6-195-4 & 6-196-4
6-14	General viewof magnet	Mede	R. Walton	6-197-4 & 6-198-4

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6-10	Steel supports for equipment racks	Horn Hot Lab.	R. Walton	6-199-4 & 6-200-4
6-10	Close-up showing steel plating spot-welded into place	Horn	R. Walton	6-201-4
6-10	Close-up of base showing steel plate welded in place	Horn	R. Walton	6-202-4
6-15	Close-up of piece of metal	Kammerer Metallurgy	R. Walton	6-203-4 & 6-204-4
6-11	Shielding experiment motor and tank	Chemistry Davis	R. Walton	6-205-4 &
6-11	Shielding experiment general set-up showing shaft and ~~fittix~~ filtering equip.	Chem. Davis.	R. Walton	6-206-4
6-11	Sludge waste -note growth	Hittman Nuc. Eng.	R. Walton	6-207-4
6-17	Joint of horse leg	Saunders	R. Smith	6-208-4 & 6-209-4
6-17	Wild strawberries	Konzak	R. Smith	6-210-4
6-17	PM of chromosomes	Konzak Biol	R. Smith	[illegible]-4 thru
	# 1			6-211-4
	# 2			6-212-4
	# 3			6-213-4
	# 5	~~6-2,4-4~~		6-214-4
	# 6			6-215-4
	# 7			6-216-4
	# 14			6-217-4
	# 15			6-218-4
	# 16			6-219-4
	# 17			6-220-4
	# 18			6-221-4
	# 19			6-222-4
	# 20			6-223-4
	# 21			6-224-4
6-18	Magnet and Gap copy	Blewett	Malie	6-225-4
6-18	Fred Iseli checking harpwith L. M. F.	R. Burt	R. F. Smith	6-226-4
6-18	Pm of chromosomes #20	Konzak	R. F. Smith	6-227-4
6-18	Schematic Drawing	Wolfga ng	Maile	6-228-4 to 6-229-4
6-18	Table 1	Hittman	Maile	6-230-4

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6-18	Effluent Volume Liters	Hatch	Maile	6-231-4
6-18	Counts vs. voltage IDL 162 full gain June 6, 1949	Bernstein	Maile	6-232-4
6-18	Chrom. Oberration produced by 50 & x-ray at various stages of microsparogensis in Trillium Erectum	Descheer	Maile	6-233-4
6-18	Comparative Frequencies of Fragments and reunion induced by 50& x-rays during vasious stages of microsparo-gensis in Trillium Erectum	Descheer	Maile	6-234-4
6-18	Chrom. oberration produced by 10 min. exposure to thermal neutron at various stages etc.	Descheer	Maile	6-235-4
6-18	L1 Log 1T ½	Friedman	Maile	6-236-4
6-18	Graph	Friedman	Maile	6-237-4
6-18	Shape elastic and cpmpound elastic	Porter	Maile	6-238-4
6-18	Shape elastic	Porter	Maile	6-239-4
6-18	En _ mev	Porter	Maile	6-240-4
6-18	Composite	Porter	Maile	6-241-4
6-18	Graph	Porter	Maile	6-242-4
6-18	Graph	Porter	Maile	6-243-4
6-18	Graph curve	Porter	Maile	6-244-4
6-18	Graph curve	Porter	Maile	6-245-4
6-18	Graph curve	Porter	Maile	6-246-4
6-18	Copy of graph paper	Wood	Bull	6-247-4
6-15	COLOR heat and lungs	Shellabarger Med.	R. Walton	C6-248-4 thru C6-250-4
6-15	COLOR contaminated waste	Hittman Nuc. Eng.	R. Walton	C6-251-4
6-18	Line graph	King Biol	H. Maile	6-252-4
6-21	Metal sprayed bismuth ingot	Klein Nuc. Eng.	R. Smith	6-253-4
6-21	PM path tissue	Saunders Biol	R. Smith	6-254-4 thru 6-256-4
6-17	Samples after welding	Littman		

CHEM.

REACTOR

Date	Caption	Dept.	Photographer	Number
6-17	Samples before weld	Littman Hot Lab.	R. Walton	6-258-4
6-17	Sample plating after weld	Littman	R. Walton	6-259-4
6-17	Sample plating after welding	Littman	R. Walton	6-260-4
~~6-21~~	~~PM's of path tissue~~			
6-21	PM's of path tissue also COLOR	Godwin Med.	R. Smith	6-261-4 thru 6-272-4 also C6-261-4 thru C6-272-4
*"L 6-21	Synthesis of 3 hydrox anthranilii acid	Maile	Dr. Hankes - Med	6-273-4
6-21	Organic retentions	Schuler Chem.	Maile	6-274-4
6-21	Synchroton and Synchrocy	Blewett Cosmo	Maile	6-275-4
6-22	Acceleration Tube	Alburger Phys.	Maile	6-276-4
6-22	Momentum of particles from elastic P-P collisions indident proton energy 3000 mev	Fowler Phys	H. Maile	6-277-4
6-22	Elastic P-P collisions incoming proton energy 400 mev, 800 mev, 1650 mev, 3000 mev	Fowler	H. Maile	6-278-4
6-22	Momentum of particles from eleastic P-P collion Incident proton energy 1650 mev.	Fowler	H. Maile	6-279-4
6-22	Identification of methylamine C 14	Wolfgang Chem	H. Maile	6-280-4
6-22	Typed table	Wolfgang	H. Maile	6-281-4
6-22	Experimental results	Wolfgang	H. Maile	6-282-4
6-22	Two sample milkings give tupisol results	Wolfgang	H. Maile	6-283-4
6-22	Growth of absorption bands in reactor irradiated ~~Al2O3~~ Al_2O_3	Dienes Phys	H. Maile	6-284-4
6-22	Optical absorption in reactor irradiated ~~Al~~ Al_2O_3	Dienes	H. Maile	6-285-4
6-22	Growth of absorption bands in reactor irradiated Al 2 O 3	Dienes	H. Maile	6-286-4

Date	Caption	Dept.	Photographer	Number
6-22	Test of the exponential character of the saturable part of the growth in irradiated Al 2 O3	Dienes Phys	H. Maile	6-287-4
6-22	Trace	Weissman Chem	H. Maile	6-288-4 & 6-289-4
6-22	Proton energy in Lab. system mev.	G. Snow Phys	H. Maile	6-290-4
6-22	Initial phosphous / 100 X total phosphous	King Biol	H. Maile	6-291-4
6-22	uug P from single meal	King	H. Maile	6-292-4
6-22	ug P as eggs	King	H. Maile	6-293-4
6-22	mug medium phosphorus per egg	King	H. Maile	6-294-4
6-22	Black food red food irradiated w/60,000 r	King	H. Maile	6-295-4
6-23	Target for cosmotron	Friedlander Chem.	R. Smith	6-296-4
6-15	PM of chromsomes # 1	Konzak Biol	R. Smith	6-297-4
6-15	PM of chromsomes # 2	Konzak	R. Smith	6-298-4
6-15	PM of chrosmoses # 4	Konzak	R. Smith	6-299-4
6-15	PM of chromosomes # 3	Konzak	R. Smith	6-300-4
6-23	PM of chromosomes:	Konzak	R. Smith	
	# 3			6-301-4
	# 22			6-302-4
	# 2			6-303-4
	# 5			6-304-4
6-21	Radiation field shots	Konzak Biol	R. Walton	6-305-4 thru 6-315-4
6-24	Tb 149 Formation	Friedlander Chem	M. Bull	6-316-4
6-24	Copper Spallation	Friedlander	M. Bull	6-317-4
6-24	Aluminum Spallation	"	M. Bull	6-318-4
6-24	Excitation functions for Pb & p reactions	"	M. Bull	6-319-4
6-24	Low Z products from Pb & p	"	M. Bull	6-320-4
6-24	Excitation functions for Pb & p reactions	"	M. Bull	6-321-4
6-24	Op, 3pn, for Al	"	M. Bull	6-322-4
6-24	Tb 149 production	"	M. Bull	6-323-4
6-24	Argon production from Cu &p	"	M. Bull	6-324-4
6-24	π^--p cross section	"	M. Bull	6-325-4

Date	Caption	Dept.	Photographer	Number
6-24	Operating capabilities of Hydrogen-filled diffusion cloud chamber	Thorndyke Phys	M. Bull	6-326-4
6-24	Relative momentum spectrum of pions produced in Be	Lindenbaum Phys	M. Bull	6-327-4
6-24	Relative energy spectrum in the C.M. system	Lindenbaum	M. Bull	6-328-4
6-24	Meson spectra produced by 1.0 bev protons	Lindenbaum	M. Bull	6-329-4
6-24	Nitrate disappearance in solutions containing oxygen	Schwarz Chem	M. Bull	6-330-4
6-24	Nitrate disappearance in deaerated solutions	Schwatz	M. Bull	6-331-4
6-24	Hydrogen peroxide production	Schwarz	M. Bull	6-332-4
6-24	Variation of H 2 O 2 yield	Schwarz	M. Bull	6-333-4
6-24	Dose vs. molecules/liter	Schwarz	M. Bull	6-334-4
6-24	Typed formula	Saldick Chem	M. Bull	6-335-4 thru 6-3404
6-24	Yield of ferrous sulfate Oxidation reaction	Weiss H. PHys	M. Bull	6-342-4
6-24	Elastic scattering cross section	Thorndyke Phys	M. Bull	6-343-4
6-24	Vo = 42 Mev	Harvey Phys	M. Bull	6-344-4
6-24	Composite of four curves Na etc vs. Cl etc.	Dahl Med	M. Bull	6-345-4
6-28	Total cross pions above 450 MEV	Cool Phys	M. Bull	6-346-4
6-28	Total cross sections Cool, Madanski, Piccioni, Clark	Cool	M. Bull	6-347-4
6-28	Chromosome aberations produced by 10 min exposure to thermal neutrons at various stages of microsporogenesis in ~~Trukkayn~~ Trillium Erectum	Deschner Biol	M. Bull	6-348-4

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6-28	Chromosomes abberration produced by 50 r X rays at various stages of microsporogenesis in Trillium Erectum	X Biol Deschner	M. Bull	6-349-4
6-18	COLOR Barley	Konzak	N. Walton	C6-350-4 thru C6-364-4
6-16	COLOR Sedum	Sparrow	R. Walton	C6-365-4 thru C6-405-4
6-16	Portable corn field COLOR	Singleton	R. Walton	C6-406-4
6-22	Glass tubing to be used in oxidation by immersion in sludge, test.	Hittman Nuc. Eng.	R. Walton	6-407-4
6-21	Gas filtering system	Turovlin Metallurgy	R. Walton	6-408-4 thru 6-412-4
6-54	Portrait B. Teitel	B.Teitel	A.Christoffersen	6-413-4
6-28	Vo — 42 mev	Harvey Phys	M. Bull	6-414-4
6-28	Line drawing moraines observed in the Piles peak region	Davis Chem	M. Bull	6-415-4
6-28	Navy group	Medd AP &PM	R. Smith	6-416-4
6-28	Cosmo display	Garfield Burt	R. Smith	6-417-4
6-28	Electronic tube	Owens Chem	R. Smith	6-418-4 & 6-419-4
6-21	Ice forming on walls of cold room	Brunini Util.	R. Walton	6-420-4& 6-421-4
6-21	Ice and water filled light fixture in cold room	Brunini	R. Walton	6-422-4 & 6-423-4
6-21	Ice filled light fixture in cold room	Brunini	R. Walton	6-424-4

Date	Caption	Dept.	Photographer	Number
6-23	Complete unit immersed in "hot" pool	Hittman Nuc. Eng.	R. Walton	6-425-4
6-23	Furnace & glass tube which is immersed into "hot" pool for corrosion tests	Hittman	R. Walton	6-426-4
6-23	Furnace	Hittman	R. Walton	6-427-4
6-28	Bottled sludge	Hittman	R. Walton	6-428-4
6-22	Calcinator	Isleif Nuc. Eng.	R. Walton	6-429-4 & 6-430-4
6-22	Top view of calcinator	Isleif	R. Walton	6-431-4
6-29	PM pathology tissue	Godwin Med.	R. Smith	6-432-4 thru 6-457-4 & C6-432-4 thru C6-457-4
6-14	Hot Lab	Stang Hot Lab.	J. Garfield	6-458-4 & 6-459-4
6-30	Pulse Height Analysis	Alburger	Maile	6-460-4 & 6-461-4

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Date	Caption	Dept.	Photographer	Number
6-30	Figure 60, Page 289	Biol Gorbman	Maile	7-1-4
6-30	Figure 51, Page 282	" "	" "	7-2-4
6-30	Figure 59, Page 88	" "	" "	7-3-4
6-30	Figure 23, a,b,c,	" "	" "	7-4-4
6-30	Figure 63, page 390	" "	" "	7-5-4
6-30	Figure 23, Page 260	" "	" "	7-6-4
7-1	Methane production in Cyclohexane methyl iodide Iodine solution	CHEM Schuler	Maile	7-7-4
7-1	Radical production in Hydrocarbon methyl iodine- Iodine solution	" "	" "	7-8-4
7-1	Radiation decomposition	" "	" "	7-9-4
7-1	Graph	Mihelich	" "	7-10-4
7-1	Differential scattering Distribution	Thorndyke	" "	7-11-4
7-1	Log 10 Graph	Goldhaber Sunyar	Maile	7-12-4
7-1	Log 10 Graph	" "	" "	7-13-4
7-1	Log 10 Graph	" "	" "	7-14-4
7-1	Odd Nucleons Graph	" "	" "	7-15-4
7-1	Graph Log 10 etc.	" "	" "	7-16-4
7-1	Graph Log 10 etc.	" "	" "	7-17-4
7-1	Graph Log 10 etc.	" "	" "	7-18-4
7-1	Energy difference	" "	" "	7-19-4
7-1	Snap dragon	Sparrow Biol	R. F. Smith	7-20-4 & 7-21-4
7-1	PM of coin chromsomes	Dollinger Biol	R. F. Smith	7-22-4
7-1	Pm of chromsones #1	Konzak	" "	7-23-4
7-1	Pm of chromsomes #5	" "	" "	7-24-4
7-1	Pm of chromsomes # 3	" "	" "	7-25-4
7-1	Pm of chromsomes # 1	" "	" "	7-26-4
7-1	Pm of chromsomes #4	" "	" "	7-27-4
7-1	Pm of chromsomes #2	" "	" "	7-28-4

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7-1	Pm of chromsomes #1	Konzak Biol.	R. F. Smith	7-29-4
7-1	Pm of chromsomes # 6	" "	" "	7-30-4
7-1	Pm of chromsomes # 9	" "	" "	7-31-4
7-1	Pm of chromsomes # 10	" "	" "	7-32-4
7-1	Pm of chromsomes # 8	" "	" "	7-33-4
7-1	Pm of chromsomes # 7	" "	" "	7-34-4
7-1				
7-1	Van de Graaff	L. Caulton A. G. S.	R. S. Smith	7-35-4
7-1	Electron Gun	" "	" "	7-36-4
7-1	Coils betweeen poles of half scale magnet	" "	" "	7-37-4
7-1	Half scale magnet	" "	" "	7-38-4
7-1	Electric gun	" "	" "	7-39-4
7-1	Ilrosophili n Larva	Dr. Wilson Biol.	R. F. Smith	7-40-4
7-i	Drosophilia Larva	" "	" "	7-41-4
7-1	" " 2"	" "	" "	7-42-4
7-1	Drosophilia	" "	" "	7-43-4
7-1	Tumors from drosphilia	" "	" "	7-44-4
7-1	Tumors on clover stem	R. Walton	Sparrow	7-45-4 also C7-45-4
7-1	Tobacco plant with growth	R. Walton	" "	7-46-4 C7-46
~~7-1~~	~~clover stems~~	~~Sparrow~~	~~R. Walton~~	~~7-47-4~~
7-1	Clover stems	Sparrow	R. Walton	7-47-4 & C7-4
7-1	Tumor on clover stem	" 2"	" "	7-48-4 C7-48
7-1	Radiated clover stem	" "	" "	7-49-4 C7-49
7-1	Radiated ~~clover stem~~ Tobacco plants	" "	" "	7-50-4
7-1	Tobacco plant tumor	" "	" "	7-51-4 C7-51-
7-1	Radiated tobacco plants	" "	" "	7-52-4
7-1	Tumor on clover stem	" "	" "	7-53-4 C7-53-
7-1	Radiated clover stem	" "	" "	7-54-4 C7-54-
7-1	Proposed disintegration scheme of Ac 228 (after Kyler, Campbell, and Henderson) and U 232	Goldhaber Phys	H. Maile	7-55-4

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7-2	H Fe Cl 4 in isopropyl ether D. E. Campbell	Saldick Chem	H. Maile	7-56-4
7-2	Gold Neutron energy ev. Graph	Wood Reactor	H. Maile	7-57-4
7-2	Gold Neutron energy ev. graph	Wood	H. Maile	7-58-4
7-2	Silver Neutron energy ev. Graph	Wood	H. Maile	7-59-4
7-2	Graphite and Lead neutron energy ev. graph	Wood	H. Maile	7-60-4
7-2	Silver Neutron energy ev. graph	Wood	H. Maile	7-61-4
7-2	Gold Neutron energy ev. graph	Wood	H. Maile	7-62-4
7-2	Silver Neutron energy ev. graph	Wood	H. Maile	7-63-4
7-2	Tantalum Neutron energy ev. graph	Wood	H. Maile	7-64-4
6-28	Sludge COLOR	Hittman Nuc. Eng.	R. Walton	C7-65-4
7-2	Schematic of apparatus	Gilbert Phys	H. Maile	7-66-4
7-2	Respnance at 24.540 mc	Gilbert	H. Maile	7-67-4
7-2	Observed resonances	Gilbert	H. Maile	7-68-4
7-6	PM of pathology tissueCOLOR	Saunders	R. Smith	4 slides
7-6	Strawberries Color	Shapiro	R. Smith	4 slides
7-6	Carnation Color	Singleton	R. Smith	1 slide
7-6	Strawberries	Shapiro Biol	R. Smith	7-69-4 & 7-70-4
7-2	Control panel for analogue	Caulton A.D.D.	R. Walton	7-71-4
7-2	Bellows for magnet supports	Caulton	R. Walton	7-72-4
7-2	De-greaser	Caulton	R. Walton	7-73-4
7-2	Blocks for supporting analogue	Caulton	R. Walton	7-74-4
7-2	Lenses for analogue	Hassel A.D.D.	R. Walton	7-75-4
7-1	Mice fat free diet	Gidez-Med.	R. Walton	7-76-4 thru 7-78-4

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7-1	Mice- non fat diet	Gidez Med.	R. Walton	7-79-4
7-2	Medical rounds	Dahl Med.	J. Garfield	7-80-4 thru 7-84-4
7-1	Frog heart device	Dahl	J. Garfield	7-85-4 & 7-86-4
7-1	Centrifuge	Dahl	J. Gaffield	7-87-4
7-1	Counter current distribution machine	Dahl	J. Garfield	7-88-4
7-1		Dahl	J. Garfeild	7-89-4
7-7	Fig. 1 page 95	Kaplan Reac	M. Bull	7-90-4
7-7	Typed table	Witschi Biol	H. Maile	7-91-4 thru 7-94-4
7-7	copy negs of drawings	Witschi	H. Maile no neg. 7-100-4	7-95-4 thru 7-102-4
7-7	Tantalium	Wood Reac	H. Maile	7-103-4
7-7	Particle track photomicrograph mag. 488X	Hill Phys	R. Smith	7-104-4
7-7	Particle track photomicrograph mag. 488X	Hill	R. Smith	7-105-4
7-7	General view of spinning machine copy	Raseman	H. Maile	7-106-4
7-7	Summary of results of 5 tests on growths of pollen grains etc.	Tuleske Biol	H. Maile	7-107-4
7-7	Growth of cucumis pollentubes when grown singly in quartets etc.	Tulecke	H. Maile	7-108-4
7-7	The effect of nutrient medium on tissue formation	Tulecke	H. Maile	7-109-4
7-7	Tantalum	Wood REACTOR ~~Nuc. Eng.~~	H. Maile	7-110-4
7-7	Micro-manipulator	Dahl Med.	R. Walton	7-111-4
7-7	Medical	Dahl	Walton&Garfield	7-112-4

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7-7	Medical Exhibit	Godwin Med.	R. Walton	7-113-4
7-7	Pathology group	Godwin Med.	R. Walton	7-114-4 & 7-115-4
7-7	Mutated strawberries from gamma field	Shapiro Biol	R. Walton	7-116-4 & 7-117-4
7-6	Weld samples	Littman Hot Lab.	R. Walton	7-118-4 thru 7-121-4
7-8	Lattice arrangement COLOR	Corliss& Hastings Chem	J. Garfield	C7-122-4 & C7-123-4
7-12	Copy from colored slide C4-163-4	Stonier	Maile	7-124-4
7-12	Copy from colored slide snap mutation from 1953 gamma field	Sparrow	Maile	7-125-4
7-12	Pulses	J. Welker	Maile	7-126-4 thru [redacted] 7-128-4
7-9	Portrait of Emery L. Van Horn	Van Horn	J. Garfield	7-129-4
7-9	Portable corn field	Singleton Biol	R. Walton	7-130-4 & 7-131-4
7-8	Bowling champs	Vogt Reacreat	R. Walton	7-132-4 & 7-133-4
7-9	Assembled hoseplate for analog	Caulton A.D.D.	R. Walton	7-134-4
7-9	Parts for Van de Graaff generator	Turner Cyclo	R. Walton	7-135-4 thru 7-137-4
7-8	Dye scattering in sand	deLeguna Geol	R. Walton	7-138-4
7-13	Zn Fe_2O_4-6° K N-nuclear	Hastings Chem	H.Maile	7 -139-4
7-13	Graph	Hastings	H. Maile	7-140-4

Date	Caption	Dept.	Photographer	Number
7-13	Magnetic scattering cross section per Fe 3 + lon in $ZnFe_2O_4$	Hastings Chem	R. Walton	7-141-4
7-13	PM corn chromosomes mag 720 X	Dollinger Biol	R. Smith	7-142-4
7-6	Mice COLOR	Gidez	R. Walton	C7-143-4 thru C7-145-4
7- 6	Carnations COLOR	Singleton	R. Walton	C7-146-4 thru C7-149-4
7-6	Strawberries COLOR	Shapiro	R. Walton	C7-150-4 & C7-151-4
7-13	Macro photo of tissue transplant in eye of mouse	Stoner Med.	R. Smith	7-152-4
7-13	Knee joint of horse	Saunders Biol	R. Smith	7-153-4
7-13	Calcium, Phosphorus, and phosphotase of the blood in skeletal diseases	Godwin Med	H. Maile	7-154-4
7-13	Effect of water content of barley seeds ~~on their~~ on their sensitivity to 20,000 r of X-rays as measured by seedling height (Summary of 4 experiments)	Caldicott Biol	H. Maile	7-155-4
7-7	COLOR PORTAble corn field	Singleton Biol	R. Walton	C7-156-4 thmru C7-159-4
7-15	Thermal column reactor	Curtis Biol	R. Smith + Walton	7-160-4
7-7	Micro-titrating	Serlin Med	J. Garfield	7-161-4
7-16	Plant tumor	Stonier Biol	R. Smith	7-162-4 thru 7-164-4
7-16	Plant tumors: # 1 # #3 # 4 # 5	Stonier	R. Smith	7-165-4 7-166-4 7-167-4 7-168-4

Date	Caption	Dept.	Photographer	Number
7-16	Plant tumor:	Stonier Biol	R. Smith	
	# 6			7-169-4
	# 8			7-170-4
	# 9			7-171-4
	# 10			7-172-4
	# 11			7-173-4
	# 12			7-174-4
	# 14			7-175-4
	# 15			7-176-4
	# 16			7-177-4
	# 18			7-178-4
	# 19			7-179-4
	# 21			7-180-4
	# 22			7-181-4
	# 23			7-182-4
	# 24			7-183-4
7-16	Dr. Godwin at viewer	Godwin Med. K.	R. Smith	7-184-4
7-16	Dr. Godwin at desk	Godwin	R. Smith	7-185-4
7-19	PM plant tumor # 2	Stonier Biol	R. Smith	7-186-4
7-19	PM plant tumor # 7	Stonier	R. Smith	7-187-4
7-19	PM plant tumor # 13	Stonier	R. Smith	7-188-4
7-19	PM plant tumor # #17	Stonier	R. Smith	7-189-4
7-16	Pollentube septate, and multinucleate	Tulecke Biol	M. Bull	7-190-4
7-16	Angiosperm pollen	Tulecke	M. Bull	7-191-4
7-16	Longitudinal section of Ginkgo ovule	Tulecke	M. Bull	7-192-4
7-16	Microgametophyte in microcycas calocoma	Tulecke	M. Bull	7-193-4
7-16	Microgametophyte in Ginkgo balboa	Tulecke	M. Bull	7-194-4
7-16	Microgametophyte in araucaria	Tulecke	M. Bull	7-195-4
7-16	Ginkgi chromosomes from tissue	Tulecke	M. Bull	7-196-4
7-16	Schematic	Easterday Medical	M. Bull	7-197-4
7-16	Effects of stimulation on effector organs	Easterday	M. Bull	7-198-4

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7-19	Collagen primitive fiber	Sinex Med.	~~Rxxfux~~ M. Bull	7-199-4
7-19	Line drawing	Sinex	M. Bull	7-200-4
7-19	Alpha Helix	Sinex	M. Bull	7-201-4
7-19	Female tendencies of embryosac-like pollen grain	Tulecke Biol	M. Bull	7-202-4
7-12	Combine working in gamma field COLOR	Singleton	R. Walton	C7-203-4 thru C7-206-4
7-14	Fruit tree, berry bushes etc. mutations in gamma field COLOR	Shapiro	R. Walton	C7-207-4 thru C7-224-4
7-19	Curve- Nepetalactone	Meinwald Chem c	M. Bull	7-225-4
~~7-19xx~~				
7-19	PM of chromosomes Slide # A-5763-F neg. mag. 320X print mag. aprox. 640 X	Sparrow Biol	R. Smith	7-226-4
7-14	Gamma field mutations	Shapiro Biol	R. Walton	7-227-4 thru 7-245-4
7- 15	Loop partially insulated	Klein Nuc.Eng.	R. Walton	7-246-4 & 7-247-4
7-16	Tobacco tumors	Sparrow Biol	R. Walton	+ color on all 7-248-4 thru 7-257-4
7-19	Cloud chamber reprojector	Bolsey Phys	J. Garfield	7-258-4 thru 7-260-4
7-19	Cloud chamber reprojector - detail	Bolsey	J. Garfield	7-261-4 thru 7-265-4
7-16	Medical rounds	Dahl Med.	~~Dx~~ J. Garfield	7-266-4 thru 7-268-4
7-20	Chassis	Dvorak Elec	R. Walton	7-269-4 thru 7-272-4

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7-20	Section of pipe that had been immersed in water- section with no corrosion was being radiated	Kuhl Nuc. Eng.	R. Walton	7-273-4
7-20	Fume hood in the new biology bldg.	Ruddy AP&PM	R. Walton	7-274-4 & 7-275-4
7-19	Electronic computer	Rideout Phys	R. Smith & R. Walton	7-276-4 thru 7-284-4
7-22	Comparative frequencies of fragments and rejoins induced by 10 min thermal neutrons	Deschner Biol	R. Fuka	7-285-4
7-22	Effect of environment upon the frequency of spontaneous aberration	Deschner	R. Fuka	7-286-4
7-22	Comparative frequencies of fragments and renuions induced by 50x-rays	Deschner	R/ Fuka	7-287-4
7-22	Results of analysis of convariance	Deschner	R. Fuka	7-288-4
7-22	Comparative frequency of rejoining following X-rays	Deschner	R. Fuka	7-289-4
7-22	Neutron energy (electron volts).	Stickley Med	R. Fuka	7-290-4
7-22	Average oxygen consumption of control & irradiated drosophila melanogaster	Wilson Biol	R. Fuka	7-291-4
7-22	Results of experiments with completely labeled synthetic media	Wilson	R. Fuka	7-292-4
7-22	Comparative data on phosphorus content	Wilson	R. Fuka	7-293-4
7-22	Cross-section view of thermal column	Lewis Health Ph	R. Fuka	7-294-4
7-22	Pollen cell	Tulecke Biol	R. Fuka	7-295-4
7-22	Patch tests on rabbitt	Koshland Biol	R.Smith	7-296-4 & C7-296-4
7-22	Particle from stack of pile Mag. 1800X	Martin H. Physics	R. Smith	7-297-4
7-22	Micrometic grid each division = 10 microns Mag. 1800X to scale with neg of 7-297-4	Martin	R. Smith	7-298-4

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Date	Caption	Dept.	Photographer	Number
7-21	Weld samples set-up for corrosion test	Littman ~~Eng.~~ Hot. Lab	R. Walton	7-299-4
7-21	Proportional counter	Reilly Phys	R. Walton	7-300-4 & 7-301-4
7-21	cylinder ofproportional counter	Reilly	R. Walton	7-302-4 thru 7-304-4
7-21	PM 's of pathology tissue COLOR (32)	Godwin	R. Smith	
7-23	Plant tumor	Stonier Biol	R. Smith	7-305-4 thru 7-317-4
-22 7-22	Counter	Eisberg Phys	R. Walton	7-318-4
7-23	Experimental cubicle set-up for flourine test	Goodman Hot Lab	R. Walton	7-319-4 & 7-320-4
7-22	M.I.T. cloud chamber set-up in the cosmo building	Willard Phys	R. Walton	7-321-4 & 7-322-4
7-22	Pm Path	Godwin ~~Biol~~ MED.	R. F. Smith	7-323-4 thru 7-342-4
7-22	Counter for annual report	Wolfgang Chem	R. Walton	7-343-4
7-26	Counting room for annual report	Chemistry	R. Walton & J. Garfield	7-344-4
7-22	Smoke from forrest fire	Smith Meteor.	R. Walton	7-345-4 thru 7-347-4
7-26	Counter	Friedlander Chem	R. Walton	7-348-4 thru 7-349-4
7-26	Lead counting pig	Friedlander	R. Walton	7-350-4
7-26	Filter and flask	Friedlander	R. Walton	7-351-4

Date	Caption	Dept.	Photographer	Number
7-29	Star	Hill Phys	Smith	7-352-4
7-29	Pulses	derMateosian Phsy	H. Maile	7-353-4 thru 7-360-4
7-29	Equilibrium in the reaction HD etc.	Bigleisen Chem	H. Maile	7-361-4
7-29	Intercomparison of experimental and theoretical equilibrium constants at low temperature	Bigleisen	H. Maile	7-362-4
7-29	Intercomparison of product rule ratio evaluated from xchange equilibrium data and calculated from crystal structure	Bigleisen	H. Maile	7-363-4
7-29	The ratio of the dissociation pressures of UH_3 and UD_3 in the temperature range 500° 1000°K	Bigleisen	H. Maile	7-364-4
7-29	Difference in heats of formation of UH_3 and UD_3	Bigleisen	H. Maile	7-365-4
7-29	Relation of exchange equilibrium constant K1, to the dissociation pressures of UH_3 and UD_3	Bigleisen	H. Maile	7- 366-4
7-29	Statistical mechanical evaluation of the exchange equilibrium constant	Bigleisen	H. Maile	7-367-4
7-29	Fig. 2 Vol 4, pg. 10 Nucleonics 1949 Decompositive pressures of uranium hydred and denteride as a function of temp.	Bigleisen	H. Maile	7-368-4
7-29	Mg Phosphorus/9 wet tissue	King Biol	H. Maile	7-369-4
7-29	Male and female control on red & black food	King	H. Maile	7-37044
7-29	Mg exogenous phosphorus per egg	King	H. Maile	7-371-4
7-29	mg P as eggs	King	H. Maile	7-372-4
7-29	mg P from single meal	King	H. Maile	7-373-4
7-29	% turnover of phosphorus	King	H. Maile	7-374-4
7-29	mg exogenous phosphorus	King	H. Maile	7-375-4
7-29	mg Phosphorus/9 wet tissue	King	H. Maile	7-376-4

7-376-4

Date	Caption	Dept.	Photographer	Number
7-20	Bowlers	Vogt Recrea	R. Walton	7-377-4 thru 7-380-4
7-23	Mutations in clover	Sparrow Biol	R. Walton	7-381-4
7-23	Mutation in snap dragon	Sparrow	R. Walton	7-382-4
7-23	Size differance in snapdragon	Sparrow	R. Walton	7-383-4
7-16	Blueberry plant	Shapiro Biol	R. Walton	7-384-4 thru 7-395-4
7-29	Average height of 100 seedlings in days in cm	Konzak Biol	H. Maile	7-396-4
7-29	Average height of 100 seedlings in 7 days in cm	Konzak	H. Maile	7-397-4
7-29	Average height of 60 seedlings in 14 days in cm	Konzak	H. Maile	7-398-4
7-29	% of adult male and female population gorged with new food and containing newly ingested food	King Biol	H. Maile	7-399-4
7-27	Plants in gamma field	Shapiro Biol	R. Walton	7-400-4 thru 7-406-4
7-23	Plant tumors	Sparrow	R. Walton	7-407-4 & 7-408-4
7-28	Calcinator	Manowitz Nuc. Eng.	R. Walton	7-409-4 thru 7-412-4
7-29	Preliminary sketch of A.G.S.	Cox	H. Maile	7-413-4
7-30	% of Mortatialty within 2 days of innoculat ion	Edelman	Maile	7-414-4
7-30	Percent dying	Edelman	Maile	7-415-4
8-2	Japanesd waltzing mice	Saunders	Bull	7-416-4

August

Date	Caption	Dept.	Photographer	Number
8/2/54	Thyroid cancer patient also shot in color	Lewallen Medical	R.F. Smith	8-1-4
8/2/54	PM Hydra	Gorbman Biology	R.F. Smith	8-2-4
8/2/54	PM Hydra	"	"	8-3-4
8/2/54	PM Hydra	"	"	8-4-4
8/2/54	PM Hydra	"	"	8-5-4
8/2/54	PM Hydra	"	"	8-6-4
8/2/54	PM Hydra	"	"	8-7-4
8/2/54	Pm Chromosomes	Caldicott Biology	R.F. Smith	8-8-4
"	"	"	"	thru
"	"	"	"	8-15-4
8/2/54	Bowling champions	Vogt Receation	R. Walton	8-16-4
"	" "	"	"	8-17-4
"	" "	"	"	8-18-4
8/2/54	Ice formations in cold room in Biology Building	A.E.C. Lancaster	R. Walton	8-19-4
8/2/54	" " " " "	"	"	8-20-4
8-2	Copy of Table	Deschner Biol	Lasky	8-21-4
8-2	Copy of schematic drawing	R. Steele	Lasky	8-22-4
8-2	Copy of schematic drawing	Rubinson	Lasky	8-23-4
8-2	Copy of curve drawing photons from s35	" " "	" "	8-24-4
8/4/54	PM of chrmomosoms	Caldicott Biology	R.F. Smith	8-25-4
"	"			though
"	"			8-29-4
8/4/54	A.D.D. Steering Committee and Stone and Webster representatives	Burt A.D.D.	Garfiled	8-30-4
8/4/54	Liver flukes and ant host	Saunders Biology	R.F. Smith	8-31-4
8/4/54	Liver flukes	"	R.F. Smith	8-32-4
8/4/54	Corn plant in field	Singleton Biology	R.F. Smith	8-33-4
8/4/54	Cornell group using field transportati		"	8-34-4
8/4/54	Cornell group using field transporat	"	"	8-35-4
8/4/54	Liver flukehatching from egg	Saunders Biology	R.F. Smith	8-36-4
"	" " " "		"	thru
	" " " "	"	"	8-39-4
7/30/54	A-5764-C 320X print approx 640 #2	Sparrow Biology	R.F. Smith	8-40-4
"	A-5926-E 160X print approx 320X #3		"	8-41-4
"	A-5764-C 720X print approx 2204X #5	"	"	8-42-4
"	A-5764-C 1152X print aprox 2204X #6	"	"	8-43-4
"	A-5764-C 1152X print aprox 2204X #7	"	"	8-44-4
"	[illegible]	"	"	[illegible]

Date	Caption	Dept.	Photographer	Number
8/4/54	ADD Steering committee meeting wuth Stone and Webster representatives	Burt ADD	Garfield and Christoffersen	8-46-4
8/4/54	Copy of cloud print chamber	Shutt Physics	Lasky	8-47-4
"	" " " "		"	8-48-4
8/4/54	ADD steering committee meeting with Stone and Webster representatives	Burt ADD	Garfield	8-49-4
8/4/54	Target and target ram at the Cosmotron	CHEMISTRY Friedlander	Garfoeld	8-50-4
8/6/54	Atomic Beam machine	Cohen Physics	Garfield	8-51-4
8/4/54	Target ram at the cosmotron	Friedlander Chemistry	Garfield	8-52-4
8/4/54	Vacuum rack	Friedlander	Garfield	8-53-4
8/3/54	Fast chopper at the Pile	Harvey Physics	Garfield	8-54-4
8/3/54	Fast chopper counting equipment	Harvey	"	8-55-4
8/2/54	Copper grid	Allen Cehmistry	Garfield	8-56-4
8/4/54	Preparing to insert traget in Cosmotron	Friedlander Chemistry	Garfield	8-57-4
8/13/54	Slow chopper - counting equipment	Harvey Physics	Garfield	8-58-4
8/4/54	Nuclear structure experimetn Tellurium 123 is displayed in the scope	DerMatedsian Physics	Garfield	8-59-4
8/4/54	ADD group picture	Falke ADD	Garfield	8-60-4
"	" " "	"	"	8-61-4
7/23/54	Tobacco tumors	Sparrow Biology	Walton	C8-62-4 C8-63-4
7/23/54	Snap dragon mutation	"	"	C8-64-4
7/23/54	Mutated Clover	"	"	C8-65-4 C8-66-4
7/30/54	General view of platnings in Gamma field	Sparrow	"	C8-67-4 thru C8-72-4
7/30/54	Sedum	Sparrow	Walton	C8-73-4 thru C8-79-4
7/30/54	Plants in Gamma filed	Shapiro Biology	Walton	C8-80-4 thru C8-84-4
8/9/54	Graphs for article to be published	Sinex Medical	Maile	8-85-4 thru 8-88-4

Date	Caption	Dept.	Photographer	Number
8/9/54	Zirconium Arc lamp housing	Saunders	R.F. Smith	8-89-4
"	Zirconium Arc lamp	Biology	R.F. Smith	8-90-4
8/9/54	Apple stem	Shapiro	R.F. Smith	8-91-4
"	Apple stem section	Biology	R.F. Smith	8-92-4
"	Apple stem	"	"	8-93-4
"	Apple stem	"	"	8-94-4
"	Apple stem section	"	"	8-95-4
"	Visiting Biologist in Gamma field	"	"	8-96-4
"	Apple stem	"	"	8-97-4
"	Apple stem	"	"	8-98-4
"	Apple stem	"	"	8-99-4
"	Apple stem	"	"	8-100-4
"	Apple stem	"	"	8-101-4
"	Apple stem	"	"	8-102-4
"	Apple stem	"	"	8-103-4
"	Apple stem	"	"	8-104-4
8/10/54	Pollen culture	Tulecke	R.F. Smith	8-105-4
"	Pollen culture	Biology	"	8-106-4
"	PM of pollen	"	"	8-107-4
"	"	"		thru
	"	"		8-113-4
8/10/54	Capsule	Teitel	R.F. Smith	8-114-4
"	"	Nuclear Eng.	"	8-115-4
8/5/54	Gamma field	Sparrow	R.F. Smith	8-116-4
"		Biology		thru
	"	"	"	8-122-4
8/11/54	Copy of cloud chamber print	Shutt Physics	Maile	8-123-4
8/10/54	PM of liver fluke	Saumders	R.F. Smith	8-124-4
"	"	Biology	"	8-125-4
"	"	"	"	8-126-4
8/6/54	Mixing organic radioactive compund	Anderson Chemistry	Garfield	8-127-4
8-11-54	Carnatons	Singleton Biol	R. F. Smith	8-128-4
8/9/54	preparing targetfor exposure in the Cyclotron	Chemistry A.O. Allen	Garfield	8-129-4
8/13/54	Copy FM article "Lifetime of Tc99m"	Physics Goldhaber	Maile	8-130-4
8/13/54	The effect of Zn on the rate of salutation etc.	Weeks Nuc Eng	Maile	8-131-4
"	" " " " " "	"	"	8-132-4

Date	Caption	Dept.	Photographer	Number
8/13/54	Step annealing of 20% sample	Physics Goldhaber	Maile	8-133-4
"	Graph IV	"	Maile	8-134-4
"	Graph III	"	"	8-135-4
"	Graph I	"	"	8-136-4
"	Copy of FM Journal of Bio Chem	Koshland	Maile	8-137-4
"	Fig 2, P3332 AM Chem soc journal	Biology	"	8-138-4
"	Fig 1, P 3331 Am Chem Soc journal	"	"	8-139-4
"	Jour of Bio Chem 135, 1940	"	"	8-140-4
"	Jour of Bio Chem 139, 1941	"	"	8-141-4
8-16	Incorporations of Radio-sulfur by Host tissues from labled grafts	Ebert Pathology	Maile	8-142-4
8-16	Incorporations of Radio-sulfur by host tissues from labeled grafts	" "	" "	8-143-4
8-16	Development of the Cardiac contractile Proteins	" "	" "	8-144-4
8-16	Diagram	"	" "	8-145-4
8-16	Incorporation of Labeled Methionone via the yoke sac following sham operations	""	" "	8-146-4
8-16	Medical Reactor facility	M. Rosshi	Maile	8-147-4
8-16	X-ray visualization of intercranial gold wires	" "	Maile	8-148-4
8-17	Pm of chromsomes	Caldicott Biol	R. F. Smith	8-149-4
8-17	Pm of chromsomes	Caldicott	R. F. Smith	8-150-4
8-17	Pm of chromsomes	" "	" " "	8-151-4
8-17	Pm of chromsomes	" "	" " "	8-152-4
8-17	Pm of chromsomes	" "	" " 2"	8-153-4
8-17	Pm of chromsomes	" "	" "	8-154-4
8-17	Pm of chromsomes	" "	" " "	8-155-4
8-17	Pm of chromsomes	" "	" " "	8-156-4
8/13/54	Caption to come	Gurinsky Nuclear Eng	J.F. Garfield	8-157-4
8/16/54	Cobalt source under water in Hot Lab	Kanowitz Nuc Eng	Gatfield	8-158-4
8/4/54	Nicotinic Acid	Anderson Chemistry	R.F. Smith	8-159-4
8/19/54	Nicotinic acid in quartz tube with Aluminum container	"	"	8-160-4
8/17/54	Computer in T-134	Rideout Adm	R.Walton	8-161-4

Date	Caption	Dept.	Photographer	Number
8/13/54	Quartz after irradiation in Pile	Levy Physics	R. Walton	8-162-4
"	" " " " "	"	"	8-163-4
8/13/54	Mutation test on room	Steffenson Biology	Walton	8-164-4
8/12/54	Electronic probes ?	Matlow Chemistry	~~Matlow~~ Walton	8-165-4
"	Lucite ?	"	"	8-166-4
8/16/54	Pear leaves from Gamma field	Boardman Biology	R.J. Walton	8-167-4
"	" " " " "	"	"	8-168-4
"	" " " " "	"	"	8-169-4
"	Stems from pear trees in Gamma field	"	"	8-170-4
"	" " " " " "	"	"	8-171-4
"	" " " " " "	"	"	8-172-4
"	Pear Leaves from Gamma field	"	"	8-173-4
"	" " " " "	"	"	8-174-4
"	" " " " "	"	"	8-175-4
"	Stems from pear tree in gamma field	"	"	8-176-4
"	" " " "	"	"	8-177-4
"	" " " "	"	"	8-178-4
8/12/54	Lens for analogue	ADD Trovato	Walton	8-179-4
"	Analogue in test shack	"	"	8-180-4
8/20/54	LMFR curves	Dwyer Nuc Eng	Bull	8-181-4 thru 8-192-4
8/20/54	Thermal neutrons vs % eclosion	Clark Biology	Bull	8-193-4
8/18/54	Mg carbon as Co2 in 100 Ml counter	Sinex Medical	Bull	8-194-4
8/18/4	Quartz samples after irradiation	Levy	Garfield	8-195-4
8/17/54	Tobacco section of the Gamma field	Sparrow Biology	Walton Walton	8-196-4 thru 8-205-4
8/15/54	In vivo counting	Lewallen Medical	Garfield	8-206-4
8/20/54	PM of path tisue	Godwin Medical	Smith	(41)
"	Carnations	Singleton Biology	Smith	(8)
"	Apple trees	Shapiro Biology	Smith	(3)

Date	Caption	Dept.	Photographer	Number
8/20/54	X-ray diffraction of $K_2Ru\ Cl_6$	Chem.	Maile	8-207-4
8/20/54	Model	Chem.	Garfield	8-208-4
8/20/54	Model	Chem.	Garfield	8-209-4
8-24-54	Pm of chromosomes	C. Bowen Biology	R. F. Smith	8-210-4 thru 8-219-4
8-23-54	Zircon arc mounted on a Fundus camera	Saunders Biology	R. F. Smith	8-220-4
8-23-54	Drosfhilia showing tumors	Wilson Biology	R.F. Smith	8-221-4 and 8-222-4
8/23/54	PM of pathological tissue	Godin Medical	R.F. Smith	8-223-4 thru 8-255-4
"	" "		"	
8/23/54	Rat thyriod gland	"	"	8-256-4
8-25-54	Shots of leaves	Boardman	R. J. Walton	C 8- 257-4 thru C 8-261-4
8-25 -54	Corn nutritant expierment	Steffensen	R. J. Walton	C 8-262-4
8/9/54	Pear leaves	Boardman Biology	R.J. Wlaton	8-263-4 thru 8-267-4
8/?/54	Gamma field	Sparrow Biology	R.J. Walton	8-268-4 thru 8-279-4
	"		"	
8/?/54	Leaf tumor	"	R.J. Walton	8-280-4
"	" "	"	" "	C8-280-4
8/?/54	Tobacco Plant tumor	"	" "	8-281-4
"	" " "	"	" "	C8-281-4
8/?/54	Seedum leves radiation damage	"	" "	8-282-4
"	" " " "	"	" "	C8-282-4
8/?/54	Tobacco plant	"	" "	8-283-4
"	" "	"	" "	C8-283-4
8/?/54	Seedum plants faciation	"	" "	8-284-4
"	" " "	"	" "	C8-284-4
8/?/54	Tobacco tumor	"	" "	8-285-4
"	" "	"	" "	C8-285-4
8/?/54	Gamma field	Sparrow	R.J. Walton	8-286-4 thru 8-290-4
"	" "	"	"	

XXXXXXXX XXXXXXX XXXXXXX XXXXXXXX

Date	Caption	Dept.	Photographer	Number
8/?/54	Gamma field	Sparrow	Walton	8-291-4
"	"	"	"	thru
				8-316-4
8/?/54	Gamma field	"	"	C8-291-4
				thru
				C8-316-4
8/?/54	Gamma field	"	"	8-317-4
"	" " " "	"	"	thru
				8-323-4
8/?/54	Gamma field	Sparrow		
"	"	Biology	Walton	8-324-4
				thru
"	"	"	"	8-338-4
8/?/54	" " "	"	"	C8-324-4
				thru
"	" " "	"	"	C8-338-4
8/?/54	Gamma field	Sparrow		
		Biology	Walton	8-339-4
"	" "	"	"	8-340-4
8/?/54	Gamma field	Sparrow	Walton	8-341-4
				thru
2	"	"	"	8-379-4
8/?/54	Gamma field	Sparrow	Walton	C8-341-4
		Biology		thru
				C8-379-4
8/26/54	A.D.D. Schematic	Green		
		A.D.D.	Bull	8-380-4
8/?/54	Gamma field	Sparrow	Walton	8-381-4
		Biology		thru
				8-393-4
8/10/54	Tomatoes in the Gamma field	Gunckel	Walton	8-394-4
"	" " " "	Biology	"	thru
"	" " " "		"	8-424-4
8/26/54	Typed table for slide	Forro		
		Biology	Stoffel	8-425-4
8/26/54	Damage to Lilium	Bowen		
X	X	Biology	Stoffel	8-426-4
"	Half chromated event	"	"	8-427-4
				~~thru~~
				8-428-4
	Typed tables	"		thru
"	2 "	"		8-430-4
-54	Gamma Field and Control field			
	Tobaccoe and mums	Sparrow		
		Biol	R. J. Walton	C8-431-4
				thru
				C8-456-4

Date	Caption	Dept.	Photographer	Number
8-54	Carnation petal s	Richter Biology	R. J. Walton	C8-457-4 thru C8-463-4
8-54	Split stem of Gamma field plant	Schiapiro Biology	R. J. Walton	C8-464-4
8/27/54	m^2 sec^{-2} vs. T(MIN)	McCormick	Stoffel	8-465-4
"	T(MIN)	Meteorology	Stoffel	8-466-4
8/2/754	Relationship between culture method and Mitotic activity in Trillium anthers	Saprrow Biology	Stoffel	8-467-4
8/27/54	Mutation rates atone Glutamic acid locus in neurospora	Woodward Biology	Stoffel	8-468-4
"	Method of calculating Mutationrates	"	"	8-469-4
"	Spontaneous and induced mtants etc.	"	"	8-470-4
"	Spontaneous and induced mutants etc.	"	"	8-471-4
"	Difference in heats of formation of UH_3 and UD_3	Bigeleisen Chemistry	"	8-472-4
"	Statistical mechanical eval. of the Exchamge equilibrium constant	"	"	8-473-4
"	Ratio of dissasociation pressures etc.	"	"	8-474-4
8/27/54	% of in situ and invoitro Anthers etc.	Sparrow Biology	Stoffel	8-475-4
8/27/54	seven Bargraphs and one line grph	Sherman Biology	Stoffel	8-476-4 thru 8-483-4

September

Date	Caption	Dept.	Photographer	Number
8/30/54	Copy from BNL 292, figure 30	Smith	Herbert	9-1-4
"	Copy from BNL 196, page 81(graph)	Meteorology	"	9-2-4
8/31/54	Copies from May '54 Bio-Chem journal	Koshland Biology	Stoffel	9-3-4 thru 9-6-4
8/31/54	Ng compund injected (14-23)	Shellabrgr	Stoffel	9-7-4
"	Mg of compound injected daily	Medical	"	9-8-4
"	Mg of compund injected daily	"	"	9-9-4
"	Mg of compound injected daily	"	"	9-10-4
8/27/54	Incorporation of inorganic Phosphate by irradiated yeast cells	Sherman Biology	Stoffel	9-11-4
8/31/54	various graphs for lantern slides	Sheehan Nuc Eng	Stoffel	9-12-4 thru 9-23-4
8/27/54	Portable corn field	Singleton Biology	Walton	C 9-24-4
"	" "			C9-25-4
8/27/54	Control corn field	"	"	C9-26-4
9/2/54	Power Spectrum of Concentration	Metor. Potts	Stoffel	9-27-4
9/2/54	Scope Shot Copies	Der Mat. Physics	Bull	9-28-4 thru 9-40-4
9/1/54	Copy from A.C.S. Journal	D. Lipkin Chem.	Stoffel	9-41-4
"	"		"	9-42-4
9/2/54	Typed Table	Hoffman Chem.	Bull	9-43-4
				9-44-4
				9-45-4
				9-46-4
				9-47-4
[illegible]/54	Chromosomal aberations from Tradescantia	Steffensen Biol.	Bull	9-48-4
9/2/54	Aberations from Tradescantia	"	Bull	9-49-4

Date	Caption	Dept.	Photographer	Number
9/2/54	Chromosomal Aberations by x-rays in Tradescantia	Biol. Steffensen	Bull	9-50-4
9/2/54	Chromatid Aberations of x-rays in Tradescantia	"	Bull	9-51-4
8/30/54	Injecting mouse tail	Biol. Edelman	Garfield	9-52-4
8/30/54	Injecting mouse tail	"	Garfield	9-53-4
8/30/54	Injecting mouse tail	"	Garfield	9-54-4
8/30/54	Injecting mouse tail	"	Garfield	9-55-4
8/18/54	De-entrainment Separator	Mic. Eng. V.H. Allen	Garfield	9-56-4
8/18/54	De-entrainment Separator	"	Garfield	9-57-4
9/2/54	Line Graph-Dose rate	Biol. Sparrow	Stoffel	9-58-4
9/2/54	Line Graph-% tumor development	"	Stoffel	9-59-4
9/2/54	Typed table	"	Stoffel	9-60-4
9/2/54	Diagrams	Koshland Biol.	Stoffel	9-61-4
9/2/54	Equation showing --	"	Stoffel	9-62-4
9/2/54	Structural diagram	"	Stoffel	9-63-4
9/2/54	Equation involving--	"	Stoffel	9-64-4
9/2/54	Diagrams	"	Stoffel	9-65-4
9/2/54	Diagrams-Enzyme	"	Stoffel	9-66-4
9/2/54	Curve showing rel. act.	"	Stoffel	9-67-4
9/3/54	Experimental Pathology	Biol. Saunders	Bull	9-68-4
9/354	Copy from Journal	"	Bull	9-69-4
9/7/54	Pm g Chromosomes	Caldicott	Smith	9-70-4
9/7/54	Pm g Chromosomes	Biol.	Smith	9-71-4
9/7/54	PM of chromosomes	"	Smith	9-72-4 -thru- 9-82-4

Date	Caption	Dept.	Photographer	Number
9/7/54	Glassware	Mic. Eng. Bauman	Smith	9-83-4 thru 9-84-4
9/7/54	Capsules		Smith	9-85-4
9/7/54 "	PM of Autograph " " "	Dr. Gitlan Med. " "	Smith " "	9-86-4 thru 9-106-4 9-107-4A
8/ /54 "	Gamma Field "	Bio. Sparrow "	Walton "	9-107-4 thru 9-118-4
8/ /54	Gamma field	Sparrow Biology	"	C9-107-4 thru C9-118-4
8/ /54 "	Tobacco Plant "	Sparrow Bio. "	Walton "	9-119-4 thru 9-125-4
8/30/54 "	Damaged Screw "	Manowitz Nue. Eng. "	Walton "	9-126-4 9-127-4
8/30/54	Damaged Screw	Manowitz Nec. Eng.	Walton	9-128-4
8/30/54	Cross section of loop	Meta. Kammerer	Walton	9-129-4
9/2/54	Cail winding for target magnet	Cosmotron Kassner	Walton	9-130-4
8/30/54	Portable corn field.	Biol. Singleton	Walton	9-131-4
8/ /54	Facistian	Bio.	Walton	9-132-4

Date	Caption	Dept.	Photographer	Number
9/2/54	Tennis Champs	Vogt Recreation	Walton	9-133-4
9/8/54	Corn Plants	Singleton Biol.	Walton	C 9-134-4 Thru C 9-148-4
9/8/54	Carnations	Richter Bio.	Walton	C 9-149-4
9/8/54	Carnations	"	Walton	C 9-150-4
9/2/54	Hot Dogs	Dr. Lewallen	R. Walton	9-151-4
"	"	Med.	"	thru
		"		9-167-4
8/ /54	Gamma Field	Sparrow Biol.	Walton	C 9-168-4 Thru C 9-196-4
8/27/54	"I think that this neg, is too thin."	Garfield Photo.	Stoffel	9-197-4
9/7/54	Cloud Chamber event	Shutt Physics	Stoffel	9-198-4
9/7/54	Segmented bodies	A. Clark Biol.	Stoffel	9-199-4
9/7/54	The H_2PO_4 system in the---	Frazer Physics	Stoffel	9-200-4
9/7/54	Assumed Atomic positions	"	Stoffel	9-201-4
9/7/54	Assumed Atomic positions	"	Stoffel	9-202-4
9/7/54	Neighborhood of K Atoms	"	Stoffel	9-203-4
9/7/54	Fig. 1	"	Stoffel	9-204-4
9/7/54	Original-h-toned	"	Stoffel	9-205-4 A 9-205-4 B
9/7/54	Neutron diffraction study	"	Stoffel	9-206-4
9/7/54	Fig.6 Neutron diffraction study	"	Stoffel	9-207-4

Date	Caption	Dept.	Photographer	Number
9/7/54	Fig. 10-	Frazer Physics	Stoffel	9-208-4
9/1/54	Damaged Aeronane	R. Brown Meto	Garfield.	9-209-4
9/1/54	Damaged Aeronane	R. Brown Meto.	Garfield	9-210-4
9/1/54	Damage to tower	"	Garfield	9-211-4
9/1/54	Damaged Aeronane	"	Garfield	9-212-4
9/1/54	Damaged Aeronane	"	Garfield	9-213-4
9/1/54	Damaged tower	"	Garfield	9-214-4
9/1/54	Damaged Aeronane	"	Garfield	9-215-4
9/1/54	Damaged Aeronane	"	Garfield	9-216-4
9/9/54	Wind Damage to Corn	Singleton Biol.	R. Smith	9-217-4 thru 9-221-4
9/9/54	Comparison of Cardiac out put etc.	Conn MEDICAL	Stoffel	9-222-4 thru 9-226-4
9/9/54	Diagram	Higinbotham	Stoffel	9-227-4
9/9/54	Pulse height analysis print		Stoffel	9-228-4
9/9/54	"-Fig 4		Stoffel	9-229-4
9/9/54	Coincidence Gray Wedge		Stoffel	9-230-4
9/9/54	Hydration and dehydration	Riez	Stoffel	9-231-4
9/9/54	Relationship between rate	"	Stoffel	9-232-4
9/9/54	Chem equation	Chem	Stoffel	9-233-4
9/9/54	Rate constants--	"	"	9-234-4
9/9/54	Equations	"	"	9-235-4
9/9/54	Correlation of Rates-	"	"	9-236-4
9/9/54	Rate constants	"	"	9-237-4
9/9/54	Table	"	"	9-238-4
9/9/54	Equations	"	"	9-239-4

Date	Caption	Dept.	Photographer	Number
9/9/54	Equilibrium	Reiz Chem	Stoffel	9-240-4
9/9/54	Hydratior	"	"	9-241-4
9/9/54	Dehydration rate	"	"	9-242-4
9/9/54	Rates of dehydration	"	"	9-243-4
9/9/54	Equation	"	"	9-244-4
9/9/54	Equation	"	"	9-245-4
9/9/54	Equation	"	"	9-246-4
9/9/54	PM of Hist. section	Witschi Biol.	Smith (R.)	9-247-4 thru 9-291-4
9/9/54	Dahlia	Sparrow Bio.	R. Smith	9-292-4 (C)
9/1/54	Copy of 2 figures for Met. reports	Potts Met.	Herbert	9-293-4
9/9/54	Electo Pulse	Higgenbotham Elect.	Stoffel	9-294-4
9/9/54	Electro Pulse	"	Stoffel	9-295-4
9/9/54	Typed Table	Mihelick Physics	Stoffel	9-296-4
9/9/54	Diagiamatic arrangement of Atoms	Frazee Physics	Stoffel	9-297-4 thru 9-299-4
9/9/54	Competitive and Non-Competitive funct.	Koshland Bio.	Stoffel	9-300-4
9/9/54	Influence of (S) on V_1 curve	"	Stoffel	9-301-4
9/9/54	Competitive and Non Competitive funct.	"	Stoffel.	9-302-4
9/9/54	Typed Table	"	Stoffel	9-303-4

Date	Caption	Dept.	Photographer	Number
9/9/54	Three Enzme groups	Koshland Biol.	Stoffel	9-304-4
9/9/54	Acetate concentration	"	"	9-305-4
9/9/54	Enzmeologia p. 166 fig 2 1940-41	"	"	9-306-4
9/954	Enzmologia p. 165 fig 1 1940-41	"	"	9-307-4
9/9/54	Flourscing Col.	Wolfe Chem.	Garfield	CN9-308-64 9-308-4 (2)
9/10/54	Mutant Carnation Petals	Richter Biol.	Walton	9-309-4 thru 9-314-4
9/10/4	Storm damage crossing plot	Singleton Biol.	Walton	9-315-4 9-316-4
9/10/54	Pm of Path Tissue	Godwin Med.	R. Smith	9-317-4 thru 9-324-4
9/13/54 9/13/54	Immunalogical Studies	Mun med.	Stoffel	9-325-4
9/13/4	Fig 64 A pg. 175	"	Stoffel	9-326-4
9/13/4	Fig. 6 pg. 406	"	Stoffel	9-327-4
9/13/4	Saline-Solubale	"	Stoffel	9-328-4
9/13/9	Fig. 65 pg. 176	"	Stoffel	9-329-4
9/13/4	Isotope Dilution Curve	Conn Med.	Stoffel	9-330-4
9/13/4	Normal Isotpe Dilution	"	Stoffel	9-331-4
9/10/54	Neutron diffraction	Hastings ~~Physics~~ CHFM,	Stoffel	9-332-4
9/10/54	Diagram		Stoffel	9-333-4
9/10/54	Graphs	"	Stoffel	9-334-4
9/10/54	Line Graph	"	Stoffel	9-335-4
9/10/54	Neutron diffraction	"	Stoffel	9-336-4

Date	Caption	Dept.	Photographer	Number
9/13/54	Brain from cancer patient	Dr. Godwin Med.	R. Smith	9-337-4
9/13/4	Brain sections from cancer patient	"	R. Smith	9-338-4
9/13/54	Brain sections from cancer patient	"	R. Smith	9-339-4
9/13/54	Brain sections from cancer patient	Dr. Godwin Med.	R. Smith	9-340-4
9/13/54	Brain section from cancer patient	"	R. Smith	9-341-4
9/13/54	Brain section from cancer patient	"	R. Smith	9-342-4
9/13/54	Brain section from cancer patient	"	R. Smith	9-343-4
9/10/54	Wirering diagram	Cohen Elect. PHYSICS	Stoffel	9-344-4
9/14/54	Corn	Singleton Biol.	R. Smith	9-345-4 thru 9-356-4
"	"	"	"	
9/13/54	Loop "B" in pile assembly	Sulskind ~~Reactor~~ NUC. ENG.	Bull and Stoffel	9-357-4 A
"	"		"	" B
				" C
9/13/54	Public Information	Burt Adm.	Walton	9-358-4
9/13/54	General ruin of construction area	"	Walton	9-359-4
9/14/54	Fig. 8	Dines Physics	Stoffel	9-360-4
9/14/54	Fig. 4	"	Stoffel	9-361-4
9/14/54	plan view of wire support	Eisberg PHYSICS	Stoffel	9-362-4
9/15/54	Typed Equation	W. Wald	Stoffel	9-363-4
9/15/54	Typed equation	"	Stoffel	9-364-4
9/15/54	Typed Equation	"	Stoffel	9-365-4
9/15/54	Typed Equation	"	Stoffel	9-366-4

Date	Caption	Dept.	Photographer	Number
9/15/54	Single Curve	Wald Chem	Stoffel	9-367-4
9/15-54	Single Curve	"	"	9-368-4
"	Three Curves	"	"	9-369-4
"	Three Curves	"	"	9-370-4
"	Line graph	"	"	9-371-4
"	Line graph	"	"	9-372-4
"	Line graph	"	"	9-373-4
9/9/54	Cosmotron	Kassner COSMO.	Walton	9-374-4
9/9/54	Cosmotron	"	Walton	9-375-4
9/7/54	Control field	Sparrow Biol.	Walton	9-376-4
9/7/54	Control field	"	Walton	9-377-4
9/7/54	Control field	"	Walton	9-378-4
9/7/54	Control field	"	Walton	9-379-4
9/8/54	Mutant flower from Gamma	Shapiro BIO.	Walton	9-380-4
9/3/54	Gamma field setting out pots	Singleton BIO.	Walton	9-381-4
9/3/54	Gamma field setting out pots	"	Walton	9-382-4
9/3/54	Gamma field setting out pots	"	Walton	9-383-4
9/13/54	General ruin of tank farm	Richards Hot Lab	Walton	9-384-4
9/15/54	Area before tearing down stack	~~Isbes~~ Isler NUC. ENG.	Walton	9-385-4
9/15/54	Boiler room	"	Walton	9-386-4
9/15/54	corner of the building	"	Walton	9-387-4
9/15/54	Boiler room before remaking	"	Walton	9-388-4
9/15/54	Boiler room	"	Walton	9-389-4

Date	Caption	Dept.	Photographer	Number
9/8/54	Mutant carnations	Richter Biol.	Walton	9-390-4
9/14/54	Irradiating roses in Gamma field	Singletion Biol.	Walton	9-391-4
9/14/54	Mutnat flower from Gamma field	Shaprio Biol.	Walton	9-392-4
9/13/54	Control field shots	sparrow Biol.	Walton	9-393-4 9-394-4 9-395-4 9-396-4
9/16/54	Original Uranium picture	Fosquil Med.	Stoffel	9-397-4
9/16/54	Vertical scale	Hughes PHYSICS	Stoffel	9-398-4
9/14/54	Carol Wind direction and Speed	Potts METEOR.	Stoffel	9-399-4
9/14/54	Wind Speed Trace from West. Bridge		Stoffel	9-400-4
9/16/54	Hypothalamic Nuclei of Adult Rat	Milofsky MEDICAL	Stoffel	9-401-4
9/17/54	Film holders	L. Lewis HEALTH Physics	R. Smith	9-402-4
9/17/54	Corrsion samples	Hittman Nuc. Eng.	R. Smith	9-403-4
9/7/54	Plant tomore on tobacco plant in G.F.	Sparrow Biol.	Smith	9-404-4
5/54	PM Path	Godwin Med.	Smith	9-405-4 thru 9-426-4

Date	Caption	Dept.	Photographer	Number
9/16/54	Utility Companies	Burt Pub. Inf.	Walton	9-427-4
9/15/54	Flax	Konzak Biol.	Walton	9-428-4 thru 9-431-4
9/6/54	Oscillographys	Mateosian Physics	Stoffel	9-432-4
9/16/54	Curves 1 and 2	Mateosian Physics	Stoffel	9-433-4
9/16/54	Diagram	"	Stoffel	9-434-4
9/17/54	Graph 7	Rosenblatt Physics	Stoffel	9-435-4
9/17/54	Graph 6	"	Stoffel	9-436-4
9/17/54	Graph 5	"	Stoffel	9-437-4
9/20/54	Graph	Shellabarger Med.	Stoffel	9-438-4
9/20/54	Graph	"	Stoffel	9-439-4
9/20/54	Oscillograph	McKeown physics	Stoffel	9-440-4 thru 9-444-4
9/21/54	Etching	Hughes	Stoffel	9-444-4A
9/21/54	Pm of Tissue	Godwin Med.	R. Smith	9-445-4 thru 9-471-4

Date	Caption	Dept.	Photographer	Number
9/22/54	Chem relationship	Shreeve ~~Chem~~ MEDICAL	Stoffel	9-472-4
9/22/54	Chem relationship-2	"	Stoffel	9-473-4
9/22/54	Map showing locations of monitoring	Weiss INST + Hep	Stoffel	9-474-4
9-22/54	Data on Salt	Dr. Dahl MED	Stoffel	9-475-4
9/20/54	Add. Probe	Travato	Walton	9-476-4 thru
9/20/54	"	"	"	9-480-4
9/20/54	Graphite bearing showing erosion END VIEW SHOWING FILTER	Helfant Nuc. Eng.	Walton	9-481-4 9-~~482~~-4 9-483-4
9/22/54	Lucite rat holder	Lewis Inst. Hep	Walton	9-484-4
9/16/54	Cloud Chamber	Rowler Physics	Walton	9-485-4 thru 9-487-4
9/24/54	Proposed Hospital Complex	Finn ~~Burkin~~ Med.	Bull	9-488-4
9/23/54	2 ~~xxxx~~ curves	Rowley CHEM	Stoffel	9-489-4
9/24/54	Difficential equation	Weeks NUC ENG	Stoffel	9-490-4
9/24/54	Typed table	"	Stoffel	9-491-4
9-24-54	Differential Equation	"	Stoffel	9-492-4
9-24-54	Differential equation	"	Stoffel	9-493-4
9/24/54	Chem relationship	"	Stoffel	9-494-4
9/24/54	Chem relationships and net reaction	"	Stoffel	9-495-4

Date	Caption	Dept.	Photographer	Number
9-24-54	Graph	Weeks Nuc. Eng.	Stoffel	9-496-4
9/24/54	Graph	"	Stoffel	9-497-4
9/54/24	Graph	"	Stoffel	9-498-4
9/24/54	Graph	"	Stoffel	9-499-4
9/24/54	Grpah	"	Stoffel	9-500-4
9/27/54	Table	Shreeve Med.	Stoffel	9-501-4
9/24/54	Table	Reisy CHEM.	Stoffel	9-502-4
9/ /54	Pear Tree	Boardman Biol.	Walton	9-503-4 thru 9-519-4
9/27/54	Line Graph	King Biol.	Stoffel	9-520-4
9/27/54	Diagram	Chase	Stoffel	9-521-4
9/27/54	Count Monitor	INST-4 HEP	Stoffel	9-522-4
9/27/54	Meterological Record	Raynor Met.	Stoffel	9-523-4
9/27/54	" " "	"	Stoffel	9-524-4
9/27/54	" " "	"	Stoffel	9-525-4
9/23/54	Cosmotron	Burt	Walton	9-526-4
9/23/54	Cloud Chamber cleared for publication	"	Walton	9-527-4
9/23/54	Cloud Chamber - cleared for publication	"	Walton	9-528-4

Date	Caption	Dept.	Photographer	Number
9/24/54	Six channel glow ~~ecution~~ counter	Chase Elect.	Walton	9-529-4
9/24/54	Automatic counter with typewriter	"	Walton	9-530-4
9/24/54	Glass chin	Walthen INST. & HEP	Walton	9-531-4
9/24/54	"	"	Walton	9-532-4
9/24/54	"	"	Walton	9-533-4
9/27/54	Development section	M. Trovato	Walton	9-534-4
9/27/54	"	A.D.D.	Walton	thru 9-542
9/27/54	"	"	Walton	9-543-4
9/27/54	Tracing	Mihelich Physics	Bull	9-544-4
				~~[illegible]~~
9/27/54	Grpah	DerMateosian PHYSICS	Bull	9-545-4
9/29/54	Drosophila	King Biol.	Bull	9-546-4
9/29/54	Graph	Raynor METEOR.	Stoffel	9-547-4
9/29/54	Couteaux scheme of the----	Freed CHEM.	Stoffel	9-548-4
9/29/54	The Digestive Tract	"	Stoffel	9-549-4
9/27/54	Fuel Element	Lones Reactor	Garfeld	9-550-4 thru 9-560-4
9/28/54	Lugula plants from Gamma Field	Sparrow BIO.	Walton	9-561-4 9-562-4 9-563-4

Date	Caption	Dept.	Photographer	Number
9/28/54	Tobacco flowers from Gamma field	Sparrow Biol.	Walton	9-565-4
9/?/54	Putting out Roses in Gamma Field	Singleton Biol.	Walton	9-566-4 9-567-4 9-568-4

October

Date	Caption	Dept.	Photographer	Number
10/1/54	Fuel container	Nuc. Eng. Iseli	Smith	10-1-4
"	Fuel container	"	"	10-2-4
9/27/54	PM of pathologial tissue	Godwin Medical	Smith	10-3-4 thru
"	" " "	"	"	10-20-4
9/2/9/54	Cancer patients	Farr Medical	Smith and Walton	10-21-4 thru
"	"	"	" "	10-28-4
9/29/54	Cat lung	Saunders Biology	Smith	10-29-4
9/27/54	Lowering pig into pool	Kuhl	Walton	10-30-4
"	Attaching source to Pig Cap	Nuclear Engineering	"	10-31-4
"	Control Board	"	"	10-32-4
"	Lifting source from pig	"	"	10-33-4
"	Manipulating source underwater using hand tongs	"	"	10-34-4
"	Shipping pig	"	"$	10-35-4
9/23/54	Taking down smoke stack	B. Isler Nuc. Eng.	"	10-36-4
"	Shipping Pig			10-36-4
9/23/54	Taking down smoke stack at 197	Isler Nuc. Eng	Walton	10-37-4 thru
"	" " " " "	"		
"	" " " " "	"	"	10-40-4
9/28/54	Gluconicacid - control and after radiation	Columbo Nuc Eng	R. Walton	10-41-4
"	" " "	"	"	10-42-4
9/24/54	Targetxsetup in magnet straightaway	Collins Cosmotron	R. Walton	10-43-4
9/29 /54	Luzula plants	Sparrow Biology	R. Walton	10-44-4
"	" "	"	"	10-45-4
"	" "	"	"	10-46-4
"	" "	"	"	10-47-4
10/1/54	Typed Equation	Sinex Med.	Stoffel	10-48-4
10/1/54	Connective tissues	"	Stoffel	10-49-54
10/1/54	Table 1	"	Stoffel	10-50-4
10/1/54	Oxidation of Hydroxylysine	"	Stoffel	10-51-4

Date	Caption	Dept.	Photographer	Number
10/1/54	Hydroxylysine Hydrogen Bond	Sinex Med.	Stoffel	10-52-4
10-1/54	Hydrogem Bonds in Collagen	"	Stoffel	10-53-4
~~9/28/54~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	
/10/1/54	First collision Probability in--	Chesnich Nuc. Eng.	Stoffel	10-54-4
10/1/54	Grpahy Fig. 8	Shutt Phys.	Stoffel	10-55-4
"	Fig.7	"	Stoffel	10-56-4
"	Fig.3	"	"	10-57-4
"	Fig. 1	"	"	10-58-4
"	Fig. 6	"	"	10-59-4
"	Fig.12	"	"	10-60-4
"	Fig 2	"	"	10-61-54
"	Fig.11	"	"	10-62-4
"	Fig. 10	"	"	10-63-4
"	Fig. 4	"	"	10-64-4
"	Fig. 9	"	"	10-65-4
"	Fig.5	"	"	10-66-4
10-1-54	Relative rates	Bigeleisen	Stoffel	10-67-4
"	Relative rates	"	Stoffel	10-68-4
10-1-54	Relative rates	"	Stoffel	10-69-4
10-4-54	Typed Table	Ballentine NUC ENG.	Stoffel	10-70-4
10/4/54	Over all Polymerszation	"	Stoffel	10-71-4
10/4/54	typed table	"	Stoffel	10-72-4
10/4/54	Typed table	"	Stoffel	10-73-4

Date	Caption	Dept.	Photographer	Number
10-5-54	Table	Klein Biol.	Stoffel	10-74-4
10-5-54	Structured formual	"	Stoffel	10-75-4
10-5-54	"	"	Stoffel	10-76-4
10/5/54	Radioactivity	Weiss INST. & HEP	Stoffel	10-77-4
10/5/54	curves	Fluke BIOLOGY	Stoffel	10-78-4
10-5-54	curves	"	Stoffel	10-79-4
10/5/54	curve	"	Stoffel	10-80-4
10-5-54	curve	"	Stoffel	10-81-4
10/5/54	curve	"	Stoffel	10-82-4
10-5-54	curve	"	Stoffel	10-83-4
10/5/54	Linked transformations	"	Stoffel	10-84-4
10/5/54	U.V. action spectra	"	Stoffel	10-85-4
10/6/54	Receiving and shipping	Walsh shipping	Walton	10-86-4
10/5/54	Graph	Porter PHYSICS	Stoffel	10-87-4
10/6/54	curve	Davis Chem	Stoffel	10-88-54
10/6/54	Fig. 5	"	Stoffel	10-89-4
10/7/54	Salamander Blood Cells	Jowski Biol.	Smith	C 10-90-4 thru C 10-103-4
10/7/54	Cats lung	Saunders Biol.	Smith	C 10-104-4
10/7/54	C. D. S.	C C.D.S.	Herbert	10-105-4 thru

Neg. No - 10-111-4 - deleted

Date	Caption	Dept.	Photographer	Number
10/7/54	Graph	Hastings Chem	Stoffel	10-114-4
10/7/54	Graph	"	Stoffel	10-115-4
10/7/54	Graph	"	Stoffel	10-116-4
10/7/54	Graph	"	Stoffel	10-117-4
10/6/54	Drawing of Proposed ~~cosmotron~~ A.G.S.	Falke A.D.D.	Stoffel	10-118-4
10/7/54	Pm of Path Tissue	Godwin Med.	Smith	10 10-119-4 thru C 10-130-4
~~10~~ 10/2/54	Brain tumor patient	Farr Med.	Walton and S.	10-131-4 thru 10-134-4
10/4/54	Glassware	Knipp Nuc. Eng.	Walton	10-135-4
10/4/54	Glassware	"	Walton	10-136-4
10/7/54	Nucleon Bombarded Silican	Dreyfuss Physics	Stoffel	10-137-4 thru 10-153-4
10/6/54	Motor driven flow control valves	Turner Physics	Walton	10-154-4
10/6/54	Motor driven flow control valves	"	Walton	10-155-4
10/1/54	Gamma field	Sparrow Bio.	Walton	10-156-4

Date	Caption	Dept.	Photographer	Number
10/5/54	Faciatiel snapdragon	Sparrow Biol.	Walton	10-157-4
10/5/54	"	"	Walton	10-158-4
10/5/54	"	"	Walton	10-159-4
10/?/54	Sludge tank foundation	Isler Nuc. Eng.	Walton	10-160-4
10/?/54	Sludge tank foundation	"	Walton	10-161-4
10/?/54	Sludge tank foundation	"	Walton	10-162-4
10/8/54	Typed tables	Fleck Nuc. Eng.	Stoffel	10-163-4
10/8/54	"	"	Stoffel	10-164-4
10/8/54	"	"	Stoffel	10-165-4
10/8/54	"	"	Stoffel	10-166-4
10/8/54	"	"	Stoffel	10-167-4
10/7/54	Tables 1 and 2	Dreyfuss Physics	Stoffel	10-168-4
10/7/54	Table four	"	Stoffel	10-169-4
10/8/54	typed table	Davis chem	Stoffel	10-170-4 thru 10-174-4
10/8/54	Typed table	Shreeve Med.	Stoffel	10-175-4
9/29/54	Iodine 132	Stang hot lab	Bull	10-176-4
9/29/54	Iodine 132	"	Bull	10-177-4
9/29/54	Iodine 132	"	Bull	10-178-4
10/4/54	Typed table	Carter REACTOR	Stoffel	1o-179-4

Date	Caption	Dept.	Photographer	Number
10/11/54	Oscillogram	O'Brien INST + NEP	Stoffel	10-181-4 thru 10-185-4
9/8/54 " "	PM's of pathological tissue " " " " " "	Godwin Medical	R.F. Smith " "	10-186-4 through 10- 197-4
9/8/54	Living Trichina encysted in abdominal wall of rat	Stoner Medical	R.F. Smith	10-198-4 10-199-4
10/13/54	Diagram	Dywer Nuc. Eng.	Sotffel	10-200-4
10/13/54	Graph	"	Stoffel	10-201-4
10/13/54	Graph	"	Stoffel	10-202-4
10/13/54	Curves	"	Stoffel	10-203-4
10/13/54	~~xgraphx~~ curves	"	Stoffel	10-204-4
10/13/54	graph	"	Stoffel	10-205-4
10/13/54	graph	"	Stoffel	10-206-4
10/13/54	table 5	Dr. Dahl Med.	Stoffel	10-207-4
10/13/54	3 Graphs	Dr. Dahl Med.	Stoffel	10-208-4
10-13/54	graph	"	Stoffel	10/209-4
10/13/54	3 graphs	"	Stoffel	10-210-4
10/9/54	rust resittant stalk of oats	M. Kuper Dir. Off.	Smith	10-211-4
10/9/54	Non resistant stalk of oats	"	Stoffel	10-212-4
10/14/54	Line drawing	Godwin Med.	Stoffel	10-213-4
10/14/54	typed table	Dahl Med.	Stoffel	10-214-4
10/14/54	Typed table	"	Stoffel	10-215-4

Date	Caption	Dept.	Photographer	Number
10/8/54	Brain tumor patient	Farr Med.	Smith and Walton	10-217-4 thru 10-224-4
10/6/54	Control field snapdrogon	Sparrow Biol.	Walton	10- 225-4
10/7/54	Unloading batshing	Isler NUC. ENG. ~~Bxon.~~	Walton	10-226-4
10/7/54	Unloading tank	"	Walton	10-227-4
10/7/54	Sample source in pig	German Biol.	Walton	10-228-4
10/13/54	Gamma field aerial	German Biol.	Walton	10-229-4
10/13/54	Sod lot aerial	"	Walton	10-230-4
10/13/54	Sod lot aerial	"	Walton	10-231-4
10/13/54	Gamma field aerial	"	Walton	10-232-4
10/15/54	Pm of Path Tissue	Godwin ~~B~~ Med.	Smith C	10-233-4
"	"	"	Smith C	10-234-4
"			C	10-235-4
"	Pm of Path Tissue	"	Smith C	10-236-4
10/15/54	Corn mutations	Singleton Biol.	Smith C	10-237-4
10/15/54	"		Smith C	10-238-4
10/15/54	"	"	Smith C	10-239-4
10/15/54	Sludge Tank	Isler Rea/ Eng.	~~Isler~~ Smith	10-240-4
"	"	"	"	10-241-4
"	"	"	Smith	10-242-4
"	"	"	Smith	10-243-4

Date	Caption	Dept.	Photographer	Number
10/15/54	Pm of Path Tissue	Godwin Med.	Smith	10-244-4 thru 10-254-4
10/18/54	Diagram and four equations	D. Keating PHYSICS ~~Reactor~~	Stoffel	10-255-4
10/18/54	Graph and total cross section	"	Stoffel	10-256-4
10/19/54	Montage	Sparrow Biol.	Stoffel	10-257-4 thru 10-259-4
10/19/54	Diagram	Saunders BIOLOGY	Stoffel	10-260-4
10/15/54	Seedlings	Caldeicott Biol.	~~Stoffel~~ Walton	10-261-4
10/15/54	Seedlings	"	Walton	10-262-4
10/15/54	~~Gxlx~~ Glassware	Tucker Hot Lab.	Walton	10-263-4
10/15/54	Glassware	"	Walton	10-264-4
10/15/54	Glassware	"	Walton	10-265-4
10/20/54	Transactions of I.R.E.	Binns REACTOR	Stoffel	10-266-4 thru 10/272-4
10/13/54	Mutant ears of corn	Singleton Biol.	Walton	10-273-4
10/7/54	Luzula in Gamma field	Sparrow	Walton	10-274-4
9/?/54	Tumors growth on snap Dragon	Moss Biol.	Walton	10-275-4 thru 10-280-4

Date	Caption	Dept.	Photographer	Number
10/20/54	Black and white from colored slide	Singleton Biol.	Stoffel	10-281-4
10/20/54	Graph	Steele Biol.	Stoffel	10-282-4
10/20/54	Diagram	"	Stoffel	10-283-4
10/20/54	graph	"	Stoffel	10-284-4
10/20/54	Relation of the water content of--	Caldecott	Stoffel	10-285-4
10/20/54	PM of Path Tissue	Godwin Med.	Smith classified	10-286-4 thru 10-296-4
10/20/54	Pm of Path Tissue	Godwin Med.	Smith classified	C 10-286-4 thru C 10-296-4
Oct.20, 1954	Barley leaves	Caldicott Biol.	Walton	10-297-4
10/20/54	Van de Graff generator	Dexter cosmotron	Walton	10/298-4 thru 10/303-4
10/20/54	AB and P.M.	Ruddy AP and PM	Walton	10-304-4 thru 10-315-4
10/20/54	Properites of Radiation sign	Garfield Photo	Walton	10-316-4
10/20/54	Sources of radiation sign	"	Walton	10-317-4
10/19/54	Cobalt source in pool	Kuhl Nuc. Eng.	Walton	10-318-4

Date	Caption	Dept.	Photographer	Number
10/21/54	Typed table	Shreeve Med.	Stoffel	10-357-4
10/21/54	~~10~~ Glucose Body pool Signs---	Steele BIOLOGY	Stoffel	10-358-4
10/21/54	Conversion of Body Glucose--	"	Stoffel	10-359-4
10/21/54	Table	"	Stoffel	10-360-4
10/11/54	Lens resolution test targets	Fowler Physics	Stoffel	10-361-4
10/22/54	Chemical apparatus	Simon NUC ~~Chem~~ ENG.	Stoffel	10-362-4
10/22/54	Graph	Levin PHYSICS	Stoffel	10-363-4 thru 10-366-4
10/?/54	High vontrast negative	Mihelich Physics		10-367-4
10/22/54	Figures	Wiswall Nuc. Eng.	Stoffel	10-368-4 thru 10-381-4
10/20/54	spectrometer	Rustad ~~PHYSICS~~ REACTOR	Walton	10-382-4 thru 10-387-4
10/19/54	Glass filter	Tucker HOT LAB ~~Nuc Eng.~~	Walton	10-388-4
10/15/54	Setting scaffolding around tank	Isler Nuc. Eng.	Walton	10-389-4
10/22/54	Sludge tank	"	Walton	10-390-4
10/15/54	Mix tank in place	"	Walton	10-391-4

Date	Caption	Dept.	Photographer	Numbe
10/25/54	acid	Columbo NUC ENG ~~Hot Lab.~~	Walton	10-393-4
10/25/54	Micro photo of fish tumor	Berg Biol.	Smith	10-394-4
10/25/54	Sludge Tank	Isler Reac. Eng.	Smith	10-395-4
10/25/54	Visitors day	Kuper Dir. Off.	Smith	10-396-4 thru 10-412-4
10/26/54	Pistal spectrometer	Sailor REACTOR		10-413-4
10/26/54	Mutant corn	Singleton Biol.	Smith	10-414-4
10/26/54	PM of Path tissue	Godwin Med.	Smith	10-415-4 thru 10-444-4
10/21/54	Sludge tank	Isler Nuc. Eng.	Walton	10-445-4 thru 10-450-4
10/19/54	Plants	Sparrow Biol.	Walton	10-451-4
10/27/54	analysis	Binns REACTOR	Stoffel	10-452-4
10/27/54	Two graphs	Keating PHYSICS	Stoffel	10-453-4
10-27-54	Flow diagram	Weisman	Stoffel	10-454-4
10/27/54	Tubel Banks	" NUC ENG.	Stoffel	10-455-4

Date	Caption	Dept.	Photographer	Number
10/26/54	Radiation detector	O'Brien Hel. Phy.	Smith	10-456-4 thru 10-458-4
10/26/54	Metal plug	Kammerer Nuc. Eng.	Smith	10-459-4
10/26/54	Pm of Path	Saunders Biol.	Smith	10-460-4 thru
10/27/54	Crane at analog	Falk ADD	Walton	10-470-4
				10-471-4
10/27/54	Vacuum set up	Falk ADD	"	10-472-4
"	Analog pumps	Falk ADD	"	10-473-4
"	Analog control	Falk ADD	"	10-474-4
"	R.F. Power Supply	Falk ADD	"	10-475-4
"	Racetrack components	Falk ADD	"	10-476-4
"	Radius Bar	Falk ADD	"	10-477-4
"	Analog	Falk ADD	"	10-478-4
"	Kenney pumps + R.F.	Falk ADD	"	10-479-4
"	ADD Van de Graff	Falk ADD	"	10-480-4
"	Quadrapole	Falk ADD	"	10-481-4
"	~~Sextapole~~ Sextapole	Falk ADD	"	10-482-4
"	Lens colimator	Falk ADD	"	10-483-4

Date	Caption	Dept.	Photographer	Number
10/28/54	Aerovane schematic	Meteorology	Stoffel	10-484-54
10/28/54	Line curves	PHYSICS ~~Chemistry~~ Allberger	Stoffel	10-485-4 thru 10-488-4
10/21/54	Mutant flower bud on flax plant	Bio-Konzak	Walton	c10-489-4
10-28/54	Meson tracks	Shutt-Phys	Stoffel	10-490-4
10/28/54	Typed tables	Chemistry Bigeleisen	Stoffel	10-491-4 thru 10-496-4
10/29/54	Liquid metal fuel reactor	Miles NUC ENG ~~Reactor~~	Xtoffel	10-497-4
10/29/54	Pm of Path Tissue	Saunders Biol.	Smith	C10-498-4

10/

November

Date	Caption	Dept.	Photographer	Number
11/1/54	Classified	Godwin Med.	Smith	11-1-4 thru 11-8-4
11/1/54	Classified	Godwin Med.	Smith	11-9-4 thru 11-16-4
11/1/54	mild steel--irradiated and non-irradiated	Hittman NUC ENG	Stoffel	11-17-54
11/1/54	Pm of Path	Saunders Biol.	Smith	11-18-4 thru 11-25-4
11/1/54	Graph	Levin PHYSICS	Dtoffel	11-26-4
11/1/54	Graph	Levin PHYSICS	Stoffel	11-27-4
11-1-54	Graphs	Keating Physics	Stoffel	11-28-4
10/22/54	Medical	Conn Med.	Garfield	11-29-54
10/22/54	Medical	"	Garfield	11-30-54
10/22/54	Medical	"	Garfield	11-31-54
11/154	ADD	Lancaster ADD	Walton	11-32-4 thru 11-47-4
11/1/54	Cyclotron	Bloom PHYSICS	Stoffel	11-48-4 thru 11-54-4
11/1/54				
11/2/54	Figures	Singleton Biol.	Stoffel	11-55-4

Date	Caption	Dept.	Photographer	Number
11/3/54	Graph	Singleton Biol.	Stoffel	11-56-4 thru 11-58-4
11/3/54	Tables	Friedlander chem	Stoffel	11-59-4 thru 11-63-4
11/3/54	Kinetic Parometers	Dodson Chem	Stoffel	11-64-4 thru 11-67-4
11/3/54	Effect of chloride on the Thallous	Dodson Chem	Stoffel	11-68-4 thru 11-69-4
11/4/54	Small ion balance	Weller MED.	Stoffel	11-70-4 thru 11-78-4
11/2/54	Pm Of Chromosomes	Sparrow Biol.	Smith	11-79-4 thru 11-83-4
1/4/54	Curves	Levin ~~Chem~~ PHYSICS	Bull	11-84-4
11/5/54	Curves	Sparrow Bio.	Bull	11-85-4 thru 11-88-4
11/4/54	copy from positive slide	Godwin Med.	Bull	11-89-4 thru 11-90-4
11/4/54	Curves	Weeks ~~Chem~~ NUC ENG.	Bull	11-91-4

Date	Caption	Dept.	Photographer	Number
11/4/54	directional correlation	Mehelich Physics	Bull	11-92-4
11/4/54	Curves	Stolovy PHYSICS	Bull	11-93-4 thru 11-96-4
11/4/54	K^{42} Activity	Conn Med.	Bull	11-97-4 thru
	Open system model	"		11-98-4
11/4/54	Graphy	R.Clark COSMOTRON	Bull	11-99-4
"	Quarter section cosmotron	"	Bull	11-100-4
"	schematic diagram	"	Bull	11-101-4
11/4/54	Pm Path	Godwin Med.	Smith	11-102-4 thru 11-123-4
11/4/54	Graph	Stolovy PHYSICS	Stoffel	11-124-4
10/8/54	Medical facility on pile top	Burt MEDICAL	Garfield	11-125-4
10/8/54	"	"	Garifled	11-126-4
10/8/54	"	"	Garfield	11-127-4
10/8/54	"	"	Garfield	11-128-4
11/3/54	Over all set up of in pile loop	Schomer NUC ENG	Walton	11-129-4
11/3/54	Control board for in pile loop	"	Walton	11-130-4
11/3/54	Control section 2	"	Walton	11-131-4
11/3/54	Steam lines around tank	Isler	Walton	11-132-4
11/3/54	Tanks	Nuc. Eng.	Walton	11-133-4 thru

Date	Caption	Dept.	Photographer	Number
113/54	Sludge settlement test	Allan NUC ENG	Walton	11-139-4
11/1/54	Electron Spectrum of Ta^{182}	Mehelich Physics	Stoffel	11-140-4
11/5/54	~~Sx~~ Figure	Saunders Biol.	Stoffel	11-141-4
11/5/54	Graphs	Fridlander chem	Stoffel	11-142-4 thru 11-146-4
11/5/54	Typed table	Ballentine NUC ENG ~~Chem~~	Stoffel	11-147-4 & 11-148-4
11/8/54	Graph	Shreeve Med.	Stoffel	11-149-4 & 11-150-4
11/8/54	Exchange rate	Dodson Chem	Stoffel	11-151-4
11/8/54	Neutron velocity spectrometer	Stolovy PHYSICS ~~Chem~~	Stoffel	11-152-4
11/8/54	Lab set-up	Burt NUC. ENG	Garfield	11-153-4
11/9/54	Plant tumore	Sparrow Biol.	Walton	11-154-4 & 11-155-4
11/9/54	Radiation damage	Sparrow Biol.	Walton	11-156-4

Date	Caption	Dept.	Photographer	Number
11-4154	Loop	Kammerer Metellurgy	Walton	11-157-4
11/1/54	Chassies	Gottinghan ~~Gath~~ ADD	Walton	11-158-4 thru 11-168-4
11/9/54	Schematic	Shore REACTOR ~~Nuc.~~	Herbert	11-169-4 thru 11-173-4
11/9/54	typed table	Conn Med.	Bull	11-174-4 thru 11-176-4
11/8/54	South Woodley looks at the H Bomb.	Oleson Hel. Phy.	stoffel	11-177-4 & 11-178-4 & 11-179-4 & 11-180-4
11/9/54	Ion Beam system internal	turner PHYSICS	Stoffel	11-181-4
11/9/54	Ion Beam system external	"	Stoffel	11-182-4
~~119~~ 11/9/54	typed equation	Conn Med.	Stoffel	11-183-4
11/8/54	table	Sparrow BIOLOGY ~~Table~~	Stoffel	11-184-4
11/9/54	table	Gibbs	Stoffel	11-185-4
~~11/9/54~~	~~typed list~~ deleted	Freidlander ~~Chem~~	~~Stoffel~~	~~11-186-4~~

Date	Caption	Dept.	Photographer	Number
11-9-54	Pm of Path	Godwin Med.	Smith	11-187-4 thru 11-212-4
11/9/54	Graph	Fluke BIOLOGY	Stoffel	11-213-4 thru 11-215-4
11/9/54	Van de Graff generator	Turner Physics	Walton	11-216-4 thru 11-218-4
11/9/54	PM plant tissue	Konzak Bio.	Smith	11-219-4 thru 11-229-4
11/3/54	Glass Tube	Helfant Nuc. Eng.	Walton	11-230-4
11/1/54	Chassie	Cottingham ADD	Walton	11-231-4
11/9/54	Diagrams	Stoughton	Stoffel	11-232-4 & 11-233-4
11/11/54	oaalid diagram	horn HOT LAB ~~Nuc. Eng.~~	Stoffel	11-234-4
11/11/54	typed tables	Weller MED	Stoffel	11-235-4 & 11-236-4 & 11-237-4
11/1154	Diagrams	Teitel ~~Weller~~ NUC ENG.	Stoffel	11238-4 & 11-239-4

Date	Caption	Dept.	Photographer	Number
11/11/54	Graphs	Landon REACTOR	Stoffel	11-240-4 thru 11-243-4
11/10/54	Cosmotron	Collins Cosmotron	Walton	11-244-4 thru 11-247-4
11/11/54	Section Weld	Scarlett H. Lab	Walton	11-248-4 thru 11-258-4
11/5/54	Brain tumor patient	Farr Med.	Walton & Smith	11-259-4 thru 11-261-4 11-261-A-4
11/9/54	Sludge tank	Isler Nuc. Eng.	Walton	11-262-4 thru 11-265-4
11/11/54	Pencil drawing of Scattering Chamber	Jelly PHYSICS	Stoffel	11-266-4
11/12/54	curves.	Levey Physics	Stoffel	11-267-4 thru 11-273-4
11/?/54	cosmotron coil pull down	Collins COSMO	Walton	11-274-4 thru 11-299-4
11/?/54	SLUDGE TEST SLUDGE TANK LOOP SLUDGE TANK	ALLEN NUC. ENG. ISLER TUROULIN ISLER NUC ENG	Walton "	11-300-4 11-301-4 thru 11-302-4 ~~11-307-4~~ 11-303-4 thru 11-307-4
11/12/54	Medical counting room	Burt	Garfield	11-308-4

Date	Caption	Dept.	Photographer	Number
11/11/54	Cancer patient	Farr Med.	Smith	11-309-4 thru 11-320-4
11/10/54	Pm Path	Tamis Med.	Smith	11-321-4 thru 11-326-4
11/15/54	Pm Path	Godwin Med.	Smith	11-327-4 thru 11-363-4
11/15/54	End of pole face winding	Collins Cosmotron	Walton	11-364-4
11/15/54	24" cloud chamber tracks	Friedlander Chem	Stoffel	11-365-4
11/15/54	curves	Landon ~~Chem~~ REACTOR	Stoffel	11-366-4 & 11-367-4
11/15/54	graphs	Wolfgang chem	Stoffel	11-368-4 thru 11-371-4
11/?/54	cosmotron coil pull down	COLLINS COSMOTRON	Walton	11-372-4 thru 11-386-4
11/16/54	Graph	Landon REACTOR	Stoffel	11-387-4
11/15/54	Graphs	Oleson INST. & HeP	Stoffel	11-388-4 & 11-389-4

Date	Caption	Dept.	Photographer	Number
11/15/54	Schematic diagram	Stoughton Nuc. Eng.	Stoffel	11-390-4
11/16/54	Pm of Radio Autograph	Gorbman ~~zoology~~ BIOLOGY	Smith	11-391-4 thru 11-394-4
11/16/54	Pm Path	Saunders Biol.	Smith	11-395-4 thru 11-402-4
11/16/54	Diagrams	Turner ~~Hot lab.~~ PHYSICS	Stoffel	11-403-4 & 11-404-4
11/16/54	Schematic arrangement of ----	SToughton Nuc. Eng.	Stoffel	11-405-4
11/16/54	Diagram	"	Stoffel	11-406-4
11/16/54	cloud chamber tracks	Or lowski	Stoffel	11-407-4 & 11-408-4
11/16/54	~~mutant carnation~~	Singleton Biol.	Walton	C 11-409-4
11/16/54	tumor on flax plant	Konzak Biol.	Walton	C 11-410-4
11/16/54	Sludge settlement test	Hitman Nuc. Eng.	Walton	C11-411-4 & C11-412-4
11/17/54	Graphs	Lewallen MEDICAL	Stoffel	11-413-4 thru 11-415-4

Date	Caption	Dept.	Photographer	Number
11/17/54	X-ray	Godwin Med.	Stoffel	11-416-4 & 11-417-4
11/17/54	Gold Brick Machine	Foote Reactor	Foote	11-418-4
11/18/54	Graphs	Dienes PHYSICS	~~Xxxxxx~~ Patoh	11-419-4 thru 11-427-4
11?54	ciol Pulldown	Collins cosmotron	Walton	11-428-4 thru 11-440-4
11/19/54	Energy	Glodhaber physics	Bull	11-441-4
11/19/54	graphs	Sailor REACTOR	Bull	11-442-4 & 11-443-4
11/19/54	Pm Path	Tamis	Smith	C 11-444-4 thru C 11-453-4
11/19/54	carnation mutation	Shapiro Biol.	Smith	C11-454-4 & C 11-455-4
11/19/54	cosmotron	Collins cosmotron	Walton	11-456-4 thru 11-465-4
11-19-54	Ion source	Abbot Add	Walton	11-466-4 thru 11-468-4

Date	Caption	Dept.	Photographer	Number
11-16-54	Sludge settlement test	Allen N Eng.	Walton	11-469-4
11/19/54	typed tables	Sailor REACTOR	Paton	11-470-4 thru 11-472-4
11/16/54	Salt trap and fileter	Collins Cosmotron	Walton	11-473-4 thru 11-475-4
11/22/54	Pm of Path	Godwin Med.	Smith	11-476-4 thru 11-508-4
11/22/54	Line drawings	Lewallen Med.	Paton	11-509-4 thru 11-519-4
11/19/54	Schematic of cosmotron	Shutt Physics	Bull	11-520-4
11/22154	Carnation mutation	Shapiro Biol.	Smith	11-521-4
11/22/54	Leg joint of horse	Saunders Biol.	Smith	11-522-4
11/22/54	glands	"	Smith	11-523-4
11/15/54	Brain tumor Patient	Farr Med.	Smith	11-524-4 thru 11-529-4
11/22/54	Line drawings	Lewallen Med.	Paton	11-530-4 thru 11-532-4

Date	Caption	Dept.	Photographer	Number
~~11/22/54~~	~~clock x-ray~~ deleted	~~Garfield Photography~~	~~Paton~~	~~11-533-4 thru 11-535-4~~
11/22/54	Radioantograph	Garfield Photo	Carter	11-536-4 & 11-537-4
11/22/54	Curves	Widgoff Physics	Carter	11-538-4 & 11-539-4
11/22/54	curves	Serlin Med.	Carter	11-540-4 & 11-541-4
11/23/54	~~Pm Okakk tussyaxx~~ Pm of Plant	Murry Biol.	Smith	11-542-4 thru 11-572-4
11/23/54	typed tables	Salant Physics	Carter	11-573-4 & 11-574-4
11/22/54	looking into saddle	Collins cosmo	Walton	11-575-4
11/18/54	sludge settlement test	Allen Nuc. Eng.	Walton	11-576-4
11/24/54	Curves	Levin Physics	Carter	11-577-4 & 11-578-4
11/23/54	~~Copy of Photo~~ deleted	~~Willard~~	~~Carter~~	~~11-579-4~~

Date	Caption	Dept.	Photographer	Number
11/23/54	typed tables	Raynor Met.	Carter	11-580-4 thru 11-586-4
11/23/54	Curves	Ridgeway COS MOTRON	Carter	11-587-4 thru 11-590-4
11/22/54	film strip	Farber Nuc. Eng.	Walton	11-591-4 thru 11-594-4
11/22/54		O'brien Hep.,	Walton	11-595-4 & 11-596-4
11/23/54	Curves	Metz NUC ENG	Carter	11-597-4 thru 11-600-4
11/18/54	thermal columm	Helfant Nuc. Eng.	Walton	11-601-4 & 11-602-4
11/18/54	thermal columm	Helfant Nuc. Eng.	Walton	11-603-4 & 11-604-4
11/18/54	erosian of samples due to rain	Helfant Nuc. Eng.	Walton	11-605-4
11/18/54	mercury spray columm	Peirce Nuc. Eng.	Garfield	11-606-4
11/26/54	Graphs	Godwin Med.	Carter	11-607-4 thru 11-609-4

Date	Caption	Dept.	Photographer	Number
11/26/54	Curves	Cumming CHEMISTRY	Carter	11-610-4
11/26/54	tracks	Salant Physics	Bull	11-611-4 thru 11-614-4
11/29. 1954	Alfalfa	Murry Bio.	Smith	11-615-4 thru 11-617-4
11/29/54	Alfalfa Root	Murry Bio.	Smith	11-618-4
11/24/54	Thermal column	Simon Nuc. Eng.	Walton	11-619-4 & 11-620-4
11/23/54	Sludge settlement	Alben Nuc. Eng.	Walton	11-621-4
11/24/54	Looking into mix tank	Isler Nuc. Eng.	Walton	11-622-4
11/24/54	Glass tube	Helfant Nuc. Eng.	Walton	11-623-4
11/24/54	Leaching	Helfant Nuc. Eng.	Walton	11-624-4
11/29/54	Dog leg joint	Saunders Biol.	Smith	11-625-4
11/29/54	Pituitary gland in rat	Godwin Med.	Smith	11-626-4
11/29/54	Alfalfa	Murry Bio.	Smith	11-627-4 thru 11-629-4

Date	Caption	Dept.	Photographer	Number
11/29/54	Cartoons	Garifeld Photo	Paton	11-630-4 thru 11-634-4
11/29/54	typed tables	Gibbs ~~Gibbs~~ Biol.	Paton	11-635-4 thru 11-641-4
11/29/54	curves	Sparrow Biol.	Paton	11-642-4
11/26/54 11/30/54	Line dwarings	Fasano REACTOR	Bull	11-643-4 thru 11-645-4
11/26/54	Age in ~~days~~ days	King Biol.	Bull	11-646-4 thru 11-648-4
11/26/54	Chart	King Bio.	Bull	11-649-4
11/26/54	Drosophils	"	Bull	11-650-4
11/30/54	typed data	Koshland	Paton	11-651-4 thru 11-659-4
11/30/54	curves	Garfield Photo	Paton	11-660-4 thru 11-662-4
11-30-54	typed tables and one curve	Begelheisen Chem	Paton	11-663-4 thru 11-671-4

Date	Caption	Dept.	Photographer	Number
11/30/54	Reactors Fig. 1 and 2	Hughes Physics	Paton	11-672-4
11/30/54	Curves	King Bio.	Paton	11-673-4 & 11-674-4
11/22/54	leaching	Helfant Nuc. Eng.	Walton	C 11-675-4 & [illegible]
11/29/54	Tank	Isler Nuc. Eng.	Walton	11-676-4 thru 11-678-5
11/26/54	Sludge test	Allan Nuc. Eng.	Walton	11-679-4
11/30/54	Leaching test	M. Helfant Nuc. Eng.	Walton	11-680-4
11/30/54	Barley leaves	Murry Bio.	Walton	11-681-4 & 11-682-4
11/24/54	Vault floor	Collins cosmotron	Walton	11-683-4 & 11-684-4
11/?/54	~~[illegible]~~ Pituitary glands from rats	Godwin Med.	Smith	C 11-685-4 & C 11-686-4
11/30/54	tissue transplants in anterarchamber of the eye of a mouse.	Stoner Med.	Smith	C 11-687-4 & C 11-688-4

Date	Caption	Dept.	Photographer	Number
11/24/54	sludge settlement test	Allan Nuc. Eng.	Walton	C 11-689-4 & C 11-690-4
1/24/54	Flax	Moss Bio.	Walton	C 11-691-4
11/26/54	leaching test	Helfant Nuc. Eng.	Walton	C 11-692-4

December

Date	Caption	Dept.	Photographer	Number
12/1/54	Diagram	Collins cosmotron	Paton	12-1-4
12/1/54	Pm Chromosomes	Sparrow Biol.	Smith	12-2-4
12/1/54	Micro photo of tissue transplant in the anterior chamber of a mouse eye.	Stoner Med.	Smith	12-3-4
12/1/54	" " " " "	Stoner Med.	Smith	12-4-4
11/22/54	Brain tumor patient	Farr Med.	Smith and Walton	12-5-4 thru 12-10-4
12/2/54	typed tables	Charles Med.	Paton	12-11-4 & 12-12-4
12/2/54	curves	Levy Physics	Paton	12-13-4
12/2/54	metabp;os, pf fats	Shreeve Med.	Bull	12-14-4
12/2/54	typed table	Shapiro Biol.	Paton	12-15-4
12/2/54	typed tables and one curve	Zorn Physics	Paton	12-16-4 thru 12-21-4
12/2/54	typed tables	Sparrow Biol.	Paton	12-22-4 thru 12-23-4

Date	Caption	Dept.	Photographer	Number
12/2/54	Graph	Shapiro Biol.	Paton	12-24-4
12/2/54	Graph	King Biol.	Paton	12-25-4
12/1/54	in pile loop	Klin Nuc. Eng.	Walton	12-26-4 & 12-27-4
12/1/54	Sludge settlement	Allan Nuc. Eng.	Walton	12-28-4
12/1/54	Sewage trap	Gimmel Hep.	Walton	12-29-4
~~112x~~ 11/29/54	Brain tumor Patient	Farr Med.	Smith	12-30-4 thru 12-38-4
12/6/54	Curves	Sunyar	Carter	12-39-4
11/29/54	brain tumor patients	Farr Medical	Smith	6 transpare ies to matc 12-30-4 thr 12-38-4
12/8/54	curves	Wald Chem	Maile	12-40-4 thru 12-43-4
12/[illegible]/54	graphs	Palevsky	Maile	12-44-4 & 12-45-4

Date	Caption	Dept.	Photographer	Number
12/8/54	Molten Metal Test Rods	Farber	Carter	12-46-4 & 12-47-4
12??54	Portrait	Richards Hot. Lab.	Chris	12-48-4
12/8/54	curve	Wald	Maile	12-49-4
12/8/54	unstable fragment	Salant Physics	Maile	12-50-4
12/9/54	graph	Hittman NUc. Eng.	Maile	12-51-4
12/9/54	Graphs	Dienes	Maile	12-52-4 thru 12-55-4
12/9/54	Irradiated waste stream	Hittman Nuc. Eng.	Carter	12-56-4 C12-56-4 & C12-57-4 12-57-4
2/9/54	Rat pituitary gland	Shellabarger Med.	Carter Also color	12-58-4
12/1 0/54	Sludge Chamber	Allen Nuc. Eng.	Smith	12-59-4
2/10/54	Settlement tubes	Allen Nuc. Eng.	Smith	12-60-4
12/10/54	Brain Section	Godwin Med.	Smith	12-61-4 thru 12-63-4

Date	Caption	Dept.	Photographer	Number
12/10/54	Pm Chromosomes	Bowen Biol.	Smith	12/64-4
12/7/54	Brain tumor patient	Farr Med.	Smith & Carter	12-65-4 thru 12-69-4
12/13/54	curves	King Biol.	Paton	12-70-4
12/13/54	Curves	Wilkinson PHYSICS	Paton	12-71-4
12/13/54	Drawings	Farr Med.	Paton	12-72-4 thru 12-75-4
	copy of form	Walsh ADMIN.	Walton	12-76-4
12/14/54	computer	Rideout Fiscal	Paton	12-77-4 & 12-78-4
12/14/54	X rays	Austin	Paton	12-79-4 & 12-80-4
12/6/54	N.Y. Bankers association	Burt	Garfield	12-81-4
12/14/54	Brain	Godwin Med.	Smith & Carter	12-82-4 & 12-84-4

Date	Caption	Dept.	Photographer	Number
12/14/54	Defective part from cosmotron	Austin Acc	S & G	12-85-4 thru 12-88-4
12/14/54	Pm Chromosmes	Bowen Biol.	Smith	12-89-4 thru 12-100-4
12/14/54	typed tables	Godwin Med.	Paton	12-101-4 & 12-102-4
12/14/54	Map	Raynor Met.	Paton	12-103-4
12/14/54	~~King~~xx Chart	King Biol.	Paton	12-104-4
12/14/54	curves	Salant Physics	Paton	12-105-4 thru 12-108-4
12/15/54	End pile loop	Kline Nuc. Eng.	Walton	12-109-4
"	End Pile Loop	Kline Nuc Eng	Walton	12-110-4
"	End Pile Loop	Kline Nuc Eng	Walton	12-111-4
"	Valve Test	Kline Nuc Eng	Walton	12-112-4
"	Alfalfa Root Bud	B. Murry Bio.	Smith	12-113-4
"	P.M. of tissue	Godwin Medical	Smith	12-114-4 thru ~~12-122-4~~
~~12/15/54~~	~~Wedge Spectrograph~~	~~[illegible]~~	~~[illegible]~~	12-121-4
"	P.M. of Chromosomes	Bowen	Smith	12-122-4

Date	Caption	Dept.	Photographer	Number
12/16/54	Half tone prints of spary columns	Peirce Hot Lab.	Paton	12/134-4
12/15/54	curves	Allen ~~CHEMISTRY~~	Paton	12-135-4
12/16/54	Curves	Sayre Chem	Paton	12-136-4
12/16/54	typed tables	King Biol.	Paton	12-137-4
12/16/54	Dirgrams	PIERCE HOT LAB	Paton	12-138-4 & 12-139-4
12/20/54	Cyclotron Beam	Harris Acc.	Smith	12-140-4
12/20/54	Pm Chromosomes	Sparrow Biol.	Smith	12-141-4
12/15/54	Pm Path	Godwin Med.	Smith	12-142-4 thru 12/145-4
12/15/54	Pm Chromosomes	Bowen Biol.	Smith	12-146-4 thru 12-151-4
12/20/54	Typed table	Godwin Med.	Paton	12-152-4
12/21/54	Copies	Godwin Med.	Carter	12-153-4 thru 12/162-4

Date	Caption	Dept.	Photographer	Number
12/21/54	Remington Rand Card	Rideout	Paton	12-163-4
12/21/54	copy prints	Godwin Med.	Paton	12-164-4 thru 12-166-4
12/21/54	typed table	Popenoe	Paton	12-167-4 & 12-168-4
12/21/54	Chart	Alburger	Paton	12-169-4
12/21/54	curves	Popenoe	Paton	12-170-4 thru 12-173-4
12/21/54	spectograph	Alburger Physics	Paton	12-174-4
12/21/54	Bubble Chamber	Glaser	Garfield	~~12-175~~ 12/175-4
12/22/54	Draftsmans rendering of proposed medical facility	Peter	Paton	12-176-4
12/22/54	Drawing	Williams	Herbert	12-177-4
12/23/54	Chart	Conn Med.	Paton	12-178-4
12/23/54	curves	Snow	Paton	12-179-4 thru 12/181-4
12/17/54	refigeration coils	Brunini A.P.+ P.M.	Walton	12-182-4 AND 12-183-4

Date	Caption	Dept.	Photographer	Number
12/13/54	Isotope Air lift	Burt	Walton	12/184-4 thru 12-189-4
12/21/54	Dogs hormone experiment	Lewallen	Walton	12-190-4 thru 12-193-4
12/21/54	thermal column	allan Nuc. Eng.	Walton	12-194-4 & 12-195-4
12/21/54	sludge settlement test	allan Nuc. Eng.	Walton	12-196-4
~~12/21/54~~				
12/15/54	Cancer patient-front view 12/15/54	Farr Medical	R.F. Smith	12-197-4
12/15/54	Cancer patient-front view 12/15/54	"	"	C12-197-4
"	cancer patient- right profile 12/15/54	"	"	12-198-4
"	cancer patient- right profile 12/15/54	"	"	C12-198-
"	cancer patient - left profile 12/15/54	"	"	12-199-4
"	cancer patient - left profile 12/15/54	"	"	C12-199-4
"	cancer patient - back view 12/15/54	"	"	12-200-4
"	cancer patient - back view 12/15/54	"	"	C12-200-4
"	cancer patient - front view 12/15/54	"	"	12-201-4
"	cancer patient - right profile 12/15/54	"	"	12-202-4
"	cancer patient - left profile 12/15/54	"	" neg lost copies RJW.	12-203-4
"	cancer patient - back view 12/15/54	"	"	12-204-4
"	cancer patient - front view 12/15/54	"	"	12-205-4
"	cancer patient - right profile 12/15/54	"	"	12-206-4
12/27/54	sludge settlement test	Allan Nuc. Eng.	"	C12-207-4 thru 209
12/27/54	PM Path Tissue	Godwin Med.	R.F. Smith	C12-210-4 th C12-224-4
12/27/54	Cyclotron Beam	Harris Acc.	R.F. Smith	C12-225-4

Date	Caption	Dept.	Photographer	Number
12/21/54	Cosmotron - Vacumn chamber rework	Kassner Cosmotron	Walton	12-226-4
12/21/54	Cosmotron - Vacumn chamber rework	"	"	12-227-4 thru 12-229-4
12/22/54	Nuc Eng. Dedication of Mem.	C. Williams Nuc. Eng.	Walton	12-230-4
12/21/54	Copper samples	F. Hittman Nuc. Eng.	Walton	12-231-4
12/21/54	Aluminum samples	F. Hittman Nuc. Eng.	Walton	12-232-4
12/21/54	Steel samples	F. Hittman Nuc. Eng.	Walton	12-233-4
12/27/54	4157 curves	Toppel Physics	Paton	12-234-4 thru 12-238-4
12/28/54	Flourine 18 Hot lab	J. Burt PRO	Walton & Smith	12-239-4 thru 12-241-4
12/28/54	PM Plant Tissue	B. Murry Bio.	R.F. Smith	12-242-4 thru 12-245-4
12/28/54	Long range particles from radium C	Kaplan	Fuka	12-246-4
12/29/54	Steel samples	Hittman Nuc. Eng.	Lasky	12-247-4
12/29/54	Steel samples	Hittman Nuc. Eng.	Lasky	12-248-4
12/29/54	Water samples	Hittman Nuc. Eng.	Lasky	12-249-4
12/29/54	Portrait of Dr Stickley	Stickley Medical	Walton & Chris	12-250-4

Date	Caption	Dept.	Photographer	Number
2/29/54	Radiation intensity measured along vertical axis	Hittman Nuc. Eng.	Maile	12-251-4
12/29/54	Graph	Stolovy Physics	Maile	12-252-4 & 12-253-4
12/29/54	Atomic weight of target nucleus	Stolovy Physics	Maile	12-254-4
12/29/54	Y - shower detector	Swartz Cosmotron	Maile	12-255-4
12/29/54	Schematic	Swartz Cosmotron	Maile	12-256-4
12/29/54	Y - shower pulse height analyzing circuit	Swartz Cosmotron	Maile	12-257-4
12/24/54	Brain Tumor Patient	Farr Medical	Walton	12-258-4 thru 12-261-4
12/30/54	Annealing Time-Seconds percent initial resistivity	McReynolds	Fuka	12-262-4
12/31/54	Percent eclosion	A. Clark Biol	Fuka	12-263-4
~~12/20/54~~	~~Dogs in hormone test~~	~~Lewallen~~ Medical	Walton	C- 12-264-4 & C-12-265-4
12/20/54	Sludge Settlement Test	V. Allen Nuc. Eng.	Walton	C-12-266-4
12/21/54	Radiated & Irradiated Metal Samples which have been dissolved in hydracl. acid copper, aluminum & steel	F. Hittman Nuc. Eng.	Walton	C-12-267-4 Thru C-12-269-4
12/31/54	Development tray for particle plates	J. Garfield ~~P. Physics~~ PHOTO	Walton	12-270-4
12/31/54	Development tray	J.Garfield ~~P. Physics~~ PHOTO	Walton	12-271-4

Date	Caption	Dept.	Photographer	Number
12/31/54	Reach for cloud chamber	J.Garfield P.PHysics	Walton	12-272-4
12/31/54	Shipping procedure	L. Stang Hot Lab	R. Walton	12-273-4 thr 12-281-4
12/31/54	ADD	M. Trovato ADD	R. Walton	12-282-4 thr 12-286-4