

PRICE LIST

of

Spencer Research Microscopes

CATALOG M66

EFFECTIVE MAY 1935

Prices subject to change without notice

SPENCER LENS COMPANY

BUFFALO, NEW YORK, U. S. A.

Page	Catalog No.	DESCRIPTION	PRICE
5		Single Inclinoocular N	\$ 20.00
		Single Body Tube A	10.00
6		Standard Binocular Body B	70.00
		Double Inclinoocular Body L	90.00
7		Combination Body Tube CB	100.00
		Combination Inclinoocular Body CL	120.00
8		Plain Rectangular Stage S	10.00
		Combination Stage and Mechanical Stage M.....	30.00
		No. 484 Mechanical Stage, in case	25.00
9		No. 485 Mechanical Stage, in case	33.00
		No. 490 Mechanical Stage only, in case	35.00
		No. 495 Mechanical Stage, in case	50.00
10		Combination Stage and Mechanical Stage P with simple slide clips and with operating buttons on the right side	66.00
		Extra for Special Spencer Slide Clips	2.00
		Extra for operating buttons on both sides of the stage	3.00
		Combination Stage and Mechanical Stage R with Special Spencer Slide Clips and with operating buttons on both sides	77.00
		When simple slide clips are ordered, deduct	2.00
		For operating buttons on one side only, deduct	5.00
		Circular Stage T without graduations	24.50
		Extra for graduations and verniers	8.00
11		Circular Revolving Mechanical Stage V with graduated periphery and verniers	80.00
		Circular Revolving Mechanical Stage W with simple slide clips and with operating buttons on the right side	72.00
		Extra for graduated periphery with verniers reading to 3 minutes of arc	8.00
		Extra for Special Spencer Slide Clips	2.00
		Extra for operating buttons on both sides	3.00
		Circular Revolving Mechanical Stage X with Special Spencer Slide Clips	100.00
13	450	Double Revolving Nosepiece	7.50
	455	Triple Revolving Nosepiece	9.00
	460	Quadruple Revolving Nosepiece	11.00

PRICES FOR No. 3 MICROSCOPE

The microscope, as illustrated in the large cut is No. 3LPH—\$331.50; in small cut No. 3BWH—\$317.50. Some other combinations which we would suggest as being suitable to this microscope are tabulated below with prices.

Page	Mechanical Combinations			OPTICAL EQUIPMENTS					
	Stand	Body	Stage	H	I	J	G (Apo)	K (Apo)	M (Apo)
14	3	B	S	255.50	293.50	278.50	423.50	515.50	672.50
	3	B	M	275.50	313.50	298.50	443.50	535.50	692.50
	3	B	P	311.50	349.50	334.50	479.50	571.50	728.50
	3	B	R	322.50	360.50	345.50	490.50	582.50	739.50
	3	B	T	270.00	308.00	293.00	438.00	530.00	687.00
	3	B	V	325.50	363.50	348.50	493.50	585.50	742.50
	3	B	W	317.50	355.50	340.50	485.50	577.50	734.50
	3	B	X	345.50	383.50	368.50	513.50	605.50	762.50
	3	L	S	275.50	313.50	298.50	443.50	535.50	692.50
	3	L	M	295.50	333.50	318.50	463.50	555.50	712.50
	3	L	P	331.50	369.50	354.50	499.50	591.50	748.50
	3	L	R	342.50	380.50	365.50	510.50	602.50	759.50
	3	L	T	290.00	328.00	313.00	458.00	550.00	707.00
	3	L	V	345.50	383.50	368.50	513.50	605.50	762.50
	3	L	W	337.50	375.50	360.50	505.50	597.50	754.50
	3	L	X	365.50	403.50	388.50	533.50	625.50	782.50
	3	CB	S	285.50	323.50	308.50	453.50	545.50	702.50
	3	CB	M	305.50	343.50	328.50	473.50	565.50	722.50
	3	CB	P	341.50	379.50	364.50	509.50	601.50	758.50
	3	CB	R	352.50	390.50	375.50	520.50	612.50	769.50
	3	CB	T	300.00	338.00	323.00	468.00	560.00	717.00
	3	CB	V	355.50	393.50	378.50	523.50	615.50	772.50
	3	CB	W	347.50	385.50	370.50	515.50	607.50	764.50
	3	CB	X	375.50	413.50	398.50	543.50	635.50	792.50
	3	CL	S	305.50	343.50	328.50	473.50	565.50	722.50
	3	CL	M	325.50	363.50	348.50	493.50	585.50	742.50
	3	CL	P	361.50	399.50	384.50	529.50	621.50	778.50
	3	CL	R	372.50	410.50	395.50	540.50	632.50	789.50
	3	CL	T	320.00	358.00	343.00	488.00	580.00	737.00
	3	CL	V	375.50	413.50	398.50	543.50	635.50	792.50
	3	CL	W	367.50	405.50	390.50	535.50	627.50	784.50
	3	CL	X	395.50	433.50	418.50	563.50	655.50	812.50

The prices given call for the Abbe Condenser N. A. 1.25 for all outfits made up of achromatic and fluorite objectives. Where apochromatic objectives are listed the prices include achromatic condensers.

The prices above call for the simple substage.

All the above prices call for the single tube A as well as the binocular body. If not wanted, state when ordering and deduct \$10.00.

PRICES ON No. 5 MICROSCOPE

The No. 5 Microscope, as illustrated in large cut, is No. 5CLXG APO—\$625.50; in small cut No. 5LRH—\$427.00. This microscope is equipped with the complete research substage with fine adjustment and the achromatic condenser for all optical equipments.

The prices below include the auxiliary condenser.

Page	Mechanical Combinations			OPTICAL EQUIPMENTS					
	Stand	Body	Stage	H	I	J	G (Apo)	K (Apo)	M (Apo)
15	5	B	P	396.00	434.00	419.00	541.50	633.50	790.50
	5	B	R	407.00	445.00	430.00	552.50	644.50	801.50
	5	B	T	354.50	392.50	377.50	500.00	592.00	749.00
	5	B	V	410.00	448.00	433.00	555.50	647.50	804.50
	5	B	W	402.00	440.00	425.00	547.50	639.50	796.50
	5	B	X	430.00	468.00	453.00	575.50	667.50	824.50
	5	L	P	416.00	454.00	439.00	561.50	653.50	810.50
	5	L	R	427.00	465.00	450.00	572.50	664.50	821.50
	5	L	T	374.50	412.50	397.50	520.00	612.00	769.00
	5	L	V	430.00	468.00	453.00	575.50	667.50	824.50
	5	L	W	422.00	460.00	445.00	567.50	659.50	816.50
	5	L	X	450.00	488.00	473.00	595.50	687.50	844.50
	5	CB	P	426.00	464.00	449.00	571.50	663.50	820.50
	5	CB	R	437.00	475.00	460.00	582.50	674.50	831.50
	5	CB	T	384.50	422.50	407.50	530.00	622.00	779.00
	5	CB	V	440.00	478.00	463.00	585.50	677.50	834.50
	5	CB	W	432.00	470.00	455.00	577.50	669.50	826.50
	5	CB	X	460.00	498.00	483.00	605.50	697.50	854.50
	5	CL	P	446.00	484.00	469.00	591.50	683.50	840.50
	5	CL	R	457.00	495.00	480.00	602.50	694.50	851.50
	5	CL	T	404.50	442.50	427.50	550.00	642.00	799.00
	5	CL	V	460.00	498.00	483.00	605.50	697.50	854.50
	5	CL	W	452.00	490.00	475.00	597.50	689.50	846.50
	5	CL	X	480.00	518.00	503.00	625.50	717.50	874.50

All the above prices call for the single tube A as well as the binocular body. If not wanted, state when ordering and deduct \$10.00.

PRICES ON No. 7 MICROSCOPE

The No. 7 Microscope, as illustrated in the larger cut, is No. 7CBVH—\$404.00. This microscope is equipped with the complete research substage and with fine adjustment on the substage and the achromatic condenser. The periphery of the circular stages on this microscope is graduated.

Page	Mechanical Combinations			OPTICAL EQUIPMENTS					
	Stand	Body	Stage	H	I	J	G (Apo)	K (Apo)	M (Apo)
16	7	B	P	360.00	398.00	383.00	505.50	597.50	754.50
	7	B	R	371.00	409.00	394.00	516.50	608.50	765.50
	7	B	T	318.50	356.50	341.50	464.00	556.00	713.00
	7	B	V	374.00	412.00	397.00	519.50	611.50	768.50
	7	B	W	366.00	404.00	389.00	511.50	603.50	760.50
	7	B	X	394.00	432.00	417.00	539.50	631.50	788.50
	7	L	P	380.00	418.00	403.00	525.50	617.50	774.50
	7	L	R	391.00	429.00	414.00	536.50	628.50	785.50
	7	L	T	338.50	376.50	361.50	484.00	576.00	733.00
	7	L	V	394.00	432.00	417.00	539.50	631.50	788.50
	7	L	W	386.00	424.00	409.00	531.50	623.50	780.50
	7	L	X	414.00	452.00	437.00	559.50	651.50	808.50
	7	CB	P	390.00	428.00	413.00	535.50	627.50	784.50
	7	CB	R	401.00	439.00	424.00	546.50	638.50	795.50
	7	CB	T	348.50	386.50	371.50	494.00	586.00	743.00
	7	CB	V	404.00	442.00	427.00	549.50	641.50	798.50
	7	CB	W	396.00	434.00	419.00	541.50	633.50	790.50
	7	CB	X	424.00	462.00	447.00	569.50	661.50	818.50
	7	CL	P	410.00	448.00	433.00	555.50	647.50	804.50
	7	CL	R	421.00	459.00	444.00	566.50	658.50	815.50
7	CL	T	368.50	406.50	391.50	514.00	606.00	763.00	
7	CL	V	424.00	462.00	447.00	569.50	661.50	818.50	
7	CL	W	416.00	454.00	439.00	561.50	653.50	810.50	
7	CL	X	444.00	482.00	467.00	589.50	681.50	838.50	

All the above prices call for the single tube A as well as the binocular body. If not wanted, state when ordering and deduct \$10.00.

PRICES ON NO. 8 MICROSCOPE

18	8H	Microscope with variable inclination	\$ 639.00
		Same with fixed inclination	559.00
	8G Apo.	Microscope with variable inclination	784.00
		Same with fixed inclination	704.00
	8K Apo.	Microscope with variable inclination	896.50
		Same with fixed inclination	816.50
	8M Apo.	Microscope with variable inclination	1,033.00
		Same with fixed inclination	953.00

All the above prices call for the single tube A as well as the binocular body. If not wanted, state when ordering and deduct \$10.00.

PRICES ON No. 30 MICROSCOPE

This microscope is equipped with the simple substage, with Abbe Condenser for the achromatic outfits, and the achromatic condenser for the apochromatic outfits. The Abbe Condenser N. A. 1.25 is separable. The upper element may be removed and replaced by a dark field illuminating element for dark field work.*

Page	Mechanical Combinations	OPTICAL EQUIPMENTS				
		H	I	J	G (Apo)	K (Apo)
		\$5.00 DEDUCTION FROM NO. 30 PRICES				
19	30S	150.00	188.00	173.00	306.50	378.00
	30M	170.00	208.00	193.00	326.50	398.00
	30P	206.00	244.00	229.00	362.50	434.00
	30R	217.00	255.00	240.00	373.50	445.00
	30T	164.50	202.50	187.50	321.00	392.50
	30W	212.00	250.00	235.00	368.50	440.00

* This element is \$5.00 extra.

Where the achromatic condenser is used the substage should be provided with a centering device which adds \$10.00 to the above prices.

PRICES ON NO. 60 MICROSCOPE

This microscope is equipped with the quick screw substage with Abbe Condenser.

Page	Mechanical Combinations	OPTICAL EQUIPMENTS				
		E	F	H	J	
19	60	\$135.50	\$138.50	\$175.00	\$198.00	
	485	Mechanical stage, modified for No. 60extra				\$38.00
	500	Camera Lucida, modified for No. 60extra				\$38.00

OBJECTIVES

Page	Catalog No.	EQUIV. FOCUS MM.	INITIAL MAGNIFICATION	PRICE
23	SPENCER FLUORITE OBJECTIVES			
	120	4	44	\$ 32.00
	129	3	60	58.00
	130	1.8	97	58.00

Page	SPENCER ACHROMATIC OBJECTIVES			
	101	48	2.0	6.00
	102	40	2.6	6.00
	103	32-14 special	4-12	8.00 \$9.00
	104	32	4.0	7.00
	106	24	3.5	6.00
	107	25	5.3	7.25
	108*	16	10	9.00
	111	16	10	14.00
	112	8	20	15.25
	113	5 special	36	9.00
	115*	4	44	17.00
	118*	4	45	17.00
	122	3	60	20.00
	124	3	60	36.00
	125	3	60	36.00
	127*	1.8	95	35.00
	128	1.5	115	55.00

Page	SPENCER APOCHROMATIC OBJECTIVES			
	150	16	10	32.50
	152	8	20	49.00
	154	4	44	65.00
	156	3	60	70.00
	161	3	60	86.00
	162*	3	60	135.00
	158*	2	90	86.00
	159*	2	90	135.00
	160	1.5	120	110.00

* Iris diaphragms may be furnished with these objectives at an additional cost of \$5.00.

EYEPIECES

Page	Catalog No.	POWER	PRICE
24	HUYGHENIAN EYEPIECES		
	134	4X	\$3.00
	136	5X	3.00
	138	6X	3.00
	140	8X	3.00
	142	10X	3.00
	143	16X	4.50
	144	12X	3.00
24	WIDE FIELD EYEPIECES		
	135	10X	6.25
	137	15X	6.25
	139	20X	6.25
24	PLANOSCOPIC EYEPIECES		
	175	6X	7.25
	176	8X	7.25
	177	10X	10.25
	178	12X	10.25
	179	15X	10.25
	180	20X	10.25
	181	5X	7.25
24	COMPENSATING EYEPIECES		
	164	1.5X	7.25
	165*	8X	7.25
	166	5X	7.25
	167*	10X	10.25
	168	10X	10.25
	169	12X	10.25
	170	15X	10.25
	172	20X	10.25
	173	25X	10.25
	174	30X	12.00

* High Eye Point.

CONDENSERS

25	302	Abbe Condenser N. A. 1.25	\$ 7.50
	305	Wide Angle Aplanatic Condenser N. A. 1.40	9.50
	315	Achromatic and Aplanatic Condenser N. A. 1.30	30.00
	320	Achromatic and Aplanatic Condenser N. A. 1.40	30.00
	303	Dark Field Element for No. 302	5.00
	325	Non-centerable Condenser mount and iris for simple substage....	5.00
	326	Centering Condenser mounting added to above	10.00
	327	Spencer oblique light attachment which with No. 325 and No. 326 makes a complete substage	10.00
26	323	Auxiliary Condenser	5.00