

Golden, Colorado
December 12, 1947

The Board of Trustees met in regular session on December 12, 1947, at 10:00 A.M., at the President's Office, Colorado School of Mines, Golden, Colorado.

Present: Messrs. Bowen, Harrison, and Thomas.

Absent: Dr. Vanderwilt.

President Parker and Mr. Steinbauer attended the meeting.

The minutes of the regular meeting of November 14, 1947, were read and approved.

Bills against the SCHOOL OF MINES TAX FUND, the MILL LEVY BUILDING FUND, the INDUSTRIAL DEVELOPMENT RESEARCH FUND, the EXPERIMENTAL PLANT FUND, THE ROCKEFELLER FOUNDATION INTENSIVE ENGLISH FUND, and the ATHLETIC ASSOCIATION FUND were read, audited, and allowed as follows:

SCHOOL OF MINES TAX FUND

FACULTY

414	Wilburn F. Anderson	\$225.60
415	Henry A. Babcock	236.87
416	James O. Ball	366.65
417	Clark F. Barb	348.75
418	Victor W. Bauman	222.19
419	Robert A. Baxter	293.21
420	Fritz S. Brennecke	344.51
421	Arthur W. Buell	193.49
422	H. Dean Burdick	243.13
423	William V. Burger	286.21
424	Frank R. Campbell	245.62
425	Clark B. Carpenter	358.70
426	Frederick M. Carpenter	263.16
427	Robert H. Carpenter	255.26
428	William J. Chappis	221.95
429	Franklin F. Clark	230.09
430	John M. Coke	271.03
431	William A. Colburn	194.32
432	Robert H. Colley	267.65

December 12, 1947

SCHOOL OF MINES TAX FUND

433	George S. Cook	268.64
434	H. F. Coolbaugh	256.60
435	H. E. Crain	374.79
436	W. B. Cramer	305.05
437	Harold O. Davidson	235.06
438	Helen B. Dolan	148.95
439	Carson L. Doss	262.78
440	W. H. Dunke	230.57
441	A. K. Erickson	212.29
442	James R. Everett	294.01
443	E. G. Fisher	272.56
444	Delton D. Flanders	224.78
445	Hilbert E. Fletcher	250.30
446	Marvin C. Gardels	200.96
447	Hugo S. Geissler	217.06
448	Donald C. Gregg	200.96
449	L. W. Hartkemeier	259.49
450	Ivan L. Hebel	294.71
451	C. A. Heiland	341.13
452	George W. Heim	200.86
453	Ralph C. Holmer	217.94
454	W. W. Howe	292.12
455	Mary E. Hoyt	200.25
456	E. B. Jacobs	220.21
457	Ray Jenkins	235.23
458	George W. Johnson	202.89
459	J. H. Johnson	309.36
460	Head R. Johnson	202.89
461	Dave C. Johnston	273.55
462	Wm. H. Jurney	310.11
463	John N. Karanigios	192.06
464	Paul H. Keating	225.27
465	J. J. Kelley	200.87
466	T. A. Kelly	270.99
467	T. E. Kuhn	297.05
468	John W. Lantow	192.06
469	Eugene H. Leaver	174.20
470	George W. LeMaire	238.57
471	Wm. S. Lovings	196.48
472	A. E. Lindley, Jr.	192.06
473	C. W. Livingston	371.01
474	V. Allan Long	319.01
475	T. B. McPherson	232.89
476	Warren J. Mason	210.89
477	W. D. Mateer	245.00
478	G. T. Merideth	281.20
479	Wm. M. Mueller	222.19
480	R. B. Osborn	279.08
481	Ben H. Parker	590.78
482	T. E. Paynter	266.48
483	R. T. Phelps	277.57
484	A. L. Pierce	202.45
485	R. D. Preston	265.15

SCHOOL OF MINES TAX FUND

486	A. L. Rao	240.50
487	Stanley Reichert	217.94
488	W. M. Richtmann	343.71
489	W. E. Boloff	315.10
490	Frederick K. Sabott	202.89
491	G. W. Salzer	342.81
492	Geo. E. Schade	225.84
493	Harlan E. Short	285.03
494	M. I. Signer	402.80
495	F. E. Smiley, Jr.	217.94
496	Fred T. Smith	221.95
497	Morton C. Smith	261.92
498	Sigmund Smith	227.33
499	Gladys W. Sparr	184.51
500	Charles W. Starks	212.61
501	Gurnett Steinhauer	233.65
502	W. Alan Stewart	208.82
503	Harrison E. Stommel	226.34
504	Arthur B. Van Fine	214.29
505	F. W. Van Tuij	332.95
506	Warren R. Wagner	234.52
507	L. S. Ward	375.11
508	Arthur P. Wichmann	200.21
509	Virginia Lee Wilcox	120.35
510	Clarence H. Wilkinson	223.84
511	Art Williams	212.82
512	A. Ralph Yappel	<u>200.25</u>
TOTAL FACULTY		25,675.93

CIVIL SERVICE

513	George S. Atkinson	124.60
514	C. A. Bacon	119.90
515	W. F. Bridges	122.50
516	Harold V. Brobeck	148.97
517	Irene L. Brown	127.42
518	Wm. J. Bryan	127.77
519	David H. Davison	130.82
520	Ann M. Dukes	147.20
521	Mary M. Eakin	131.55
522	V. H. Fromhart	115.27
523	Thomas G. Garrison	125.45
524	Bert F. Harrison	127.42
525	Louis J. Hartmann	111.15
526	Doris Parks Haynes	130.82
527	C. G. Hemberger	122.30
528	J. J. Hemberger	127.20
529	Violet K. Horning	121.00
530	Clifford Jewett	129.07
531	Edward Lange	123.95
532	William Lee	142.67

SCHOOL OF MINES TAX FUND

533	Fred Ljungvall	150.85
534	Marie A. Mahan	135.87
535	C. F. Naughan	154.90
536	Chris Mester	138.85
537	Clarence Nicholls	200.54
538	E. P. O'Neil	160.18
539	Jacob T. Pyle	119.05
540	James R. Rich	129.95
541	Robert H. Richards	152.40
542	Elinor C. Ryan	131.55
543	Ruth H. Sackett	121.17
544	Albert E. Simpson	134.95
545	James Smith	154.97
546	Mary C. Son	157.71
547	Leslie B. Talbert	129.05
548	Madeline K. Toman	128.92
549	A. G. Webster	151.57
550	Mary M. Wilkerson	137.01
551	Engra M. Wirgee	150.60
TOTAL CIVIL SERVICE		5,492.22

MISCELLANEOUS

552	Dorothea M. Browning	58.50
553	Marie E. Clemens	134.48
554	J. L. Cooper	122.80
555	Mary Lou Cutler	134.80
556	Sterling L. Dryden	122.80
557	Georgiana Emery	137.15
558	Ol. Freeman	130.00
559	Herbert E. Gunderson	50.00
560	Edward A. Johnson	72.20
561	Vivian A. Karn	134.85
562	Wanda L. Kassens	128.00
563	E. A. Kehn	132.52
564	Donald Ljungvall	122.60
565	Charles Marchand	219.30
566	Henry May, Jr.	52.50
567	Lois K. Mote	92.20
568	Dorothy J. Rae	7.89
569	Virginia Siljestrom	48.75
570	James L. Simpson	115.70
571	Lesley G. Smith	98.19
572	Myrtle H. Stephens	140.20
573	Marie Howard Taylor	29.00
574	Henry J. Von Wyl	197.10
575	Mrs. Jeanne Wolff	22.00
576	Louis E. Amick	25.63
577	Gerald V. Atkinson	20.00
578	Dewey Bowling	14.50
579	J. S. Bradley	15.00
580	Lynn A. Brown	10.25

December 18, 1947

SCHOOL OF MINES TAX FUND

581	Arthur E. Calabria	10.50	
582	Dave Childers	7.63	
583	Martin W. Clark	10.00	
584	James K. H. Clodfelter	13.00	
585	C. E. Cook	2.75	
586	W. G. Cutler	15.00	
587	George H. Featress	15.00	
588	Sylvester J. Fisher	15.00	
589	E. W. Fogelberg	15.00	
590	Donald B. Frederick, Jr.	3.50	
591	Robert H. Freeman	15.00	
592	Robert E. Friend	15.00	
593	James C. Gifford	13.00	
594	Hugh D. Graham	25.00	
595	Arthur James Gude	5.00	
596	Richard F. Hagemann	13.88	
597	Ross A. Harris	46.00	
598	Jack S. Hicks	33.00	
599	Kenneth W. Hottinger	5.50	
600	Philip L. Lawrence	20.00	
601	James T. McDonald	20.00	
602	Wahan, Wayne E.	10.00	
603	Ralph Mangone	12.00	
604	Robert W. Meader	10.00	
605	Jesse R. Medaris	18.00	
606	Robert C. Merritt	13.00	
607	David P. Morse	15.00	
608	E. T. Musselman	15.00	
609	Ken Nickerson	15.00	
610	John D. Noll	15.00	
611	William G. Park	21.00	
612	David W. Reese	12.50	
613	Robert E. Reid	15.00	
614	George H. Rogers	11.00	
615	David A. Rowland	14.00	
616	Arthur E. Shanen	13.00	
617	Berkey D. Smith	13.00	
618	Earl Spiels	6.50	
619	John Stoddard	15.00	
620	Gustav Stolz, Jr.	15.00	
621	Robert C. Walker	15.00	
622	Robert G. Wheeler	30.00	
623	Tom Wilson	15.00	
	TOTAL MISC. PAYROLL		3,252.30
662	Treas., State of Colorado Withholding Tax A/C	3,533.20	
663	Treas., State of Colorado Retirement Assn.	1,353.79	
664	Colorado Hospital Service	273.05	
665	Insurance Account	14.25	
666	War Bond Account	232.13	
	TOTAL PAYROLL		<u>5,359.12</u> 39,799.70

SCHOOL OF MINES TAX FUND

SUPPLY VOUCHERS

667	Treas., State of Colorado Public Employes Retirement Fund	1,181.51
668	Owen F. Acers	907.00
669	Addressograph-Multigraph Corp.	5.64
670	Wilburn F. Anderson	8.72
671	Am. Assn. of Petroleum Geologists	307.75
672	Am. Inst. of Mining & Met. Engrs.	18.00
673	Amsterdam Printing & Litho Co.	7.70
674	Applied Research Laboratories	750.00
675	Bilbrough-Jones Edw. Co.	15.00
676	Fritz Brennecke	9.52
677	Brooklyn Thermometer Co.	90.23
678	Wm. V. Burger	9.46
679	Ashley Bussert	10.00
680	Casper Bussert Services	77.89
681	L. W. Billis, Contractor	1,319.27
682	Butler Paper Co.	487.44
683	Robert H. Carpenter	36.40
684	Carson Crockery Co.	889.20
685	Central Electric Supply Co.	108.59
686	Central Scientific Co.	95.03
687	Chicago Apparatus Co.	15.29
688	Frank Ciaaglia	10.50
689	Cities Service Oil Co.	12.50
690	Clay Adams Co., Inc.	8.42
691	John H. Coke	4.74
692	Colo. Blue Print Paper & Supply	20.21
693	Colo. Central Power Co.	1,062.13
694	C.S.M. Revolving Fund	156.82
695	Colo. & Southern Railway	153.28
696	Colo. Tent & Awning Co.	22.00
697	Colorado Transcript	12.00
698	Continental Oil Co.	41.24
699	Craig-Frederick Chevrolet Co.	78.28
700	H. M. Crain	30.16
701	H. M. Crain	9.00
702	Crane-O'Fallon Co.	55.52
703	V. R. Crosser	149.14
704	Cushman Lab. for Foraminiferal Res.	20.00
705	H. O. Davidson	255.91
706	Devison-Koch Furniture Co.	8.35
707	Denver Bookbinding Co.	525.02
708	Denver Fire Clay Co.	833.09
709	Denver Tobacco Co.	533.00
710	Denver Towel Supply Co.	22.61
711	Dubin Electronics Co.	19.01
712	Duvall-Davison Lumber Co.	134.84
713	Eastman Kodak Stores, Inc.	11.89
714	Eclipse-Pioneer Div. of Bendix Aviation Corp.	41.53

SCHOOL OF MINES TAX FUND

715	Electric Accessories Co.	59.40
716	O. T. Ellis Dry Goods	18.50
717	Fischer & Porter Co.	145.70
718	Edward G. Fisher	6.64
719	Fisher Scientific Co.	7.04
720	Poss Drug Co.	248.50
721	M. L. Foss, Inc.	181.58
722	Mrs. Alice Fritz	7.50
723	Hugo H. Geissler	20.40
724	General Electric Supply Corp.	7.10
725	General Electric X-Ray Corp.	8.25
726	Golden Fire Brick Co.	5.70
727	Griffin Tank & Welding Service	80.00
728	Raanstad's Camera & Gift Shop	8.11
729	Chas. F. Hadley Co.	107.28
730	Harshaw Scientific Div.	78.00
731	Heabler Sheet Metal Shop	659.02
732	Heiland Research Corp.	28.10
733	George W. Heis	29.65
734	Hendrie & Boltheff Co.	249.98
735	Ralph C. Holmer	40.55
736	Huntington Laboratories, Inc.	29.00
737	Inter-State Radio & Supply Co.	327.26
738	Richard Ives Co.	448.84
739	Johnson Supply Co.	52.00
740	J. Harlan Johnson	23.80
741	Journal of Marine Research	18.00
742	Kendrick-Bellamy Co.	544.50
743	W. S. Kistler Staty. Co.	1,469.08
744	Truman H. Kuhn	34.95
745	Library of Congress, Card Div.	19.71
746	S. O. Lindahl Sales, Inc.	7.90
747	Linde Air Products Co.	8.18
748	A. H. Lindley, Jr.	27.65
749	Linder Hardware Co.	54.05
750	Clifton W. Livingston	28.72
751	McCarty-Johnson Pibg. & Htg.	62.80
752	W. D. Masteer	13.58
753	Measurement & Guidance Project in Engineering Education	230.32
754	H. R. Meininger Co.	15.21
755	Chris Mester	10.00
756	Meyer Hdw. & Sptg. Goods Co.	75.55
757	Military Service Co.	15.00
758	Mine & Smelter Supply Co.	1,224.47
759	Mtn. & Plain Paint Co.	15.00
760	Mtn. States Tel. & Tel.	330.02
761	Natl. Oil Scouts & Landmen's Assn.	7.50
762	R. L. Neal	1,300.07
763	New York Lab. Supply Co.	76.50
764	Niles Phonograph & Radio Co.	11.03
765	Calvin Palmer	23.80

SCHOOL OF MINES TAX FUND

766	Ben H. Parker	26.87
767	Frank Paxton Lumber Co.	58.06
768	Peerless Printing Co.	37.00
769	Robert T. Phelps	39.91
770	Phillips Petroleum Co.	6.00
771	Raymond H. Price	11.55
772	Public Service Co. of Colo.	98.43
773	Remington Rand Inc.	342.20
774	Rio Grande Fuel Co.	6.00
775	Roberts-Way Sheet Metal Mfg. Co.	264.00
776	F. B. Robinson Book Store	9.87
777	Jack C. Rose	117.83
778	Royal Typewriter Co., Inc.	121.15
779	Sanitary Specialties Co.	214.67
780	H. H. Sargent & Co.	500.00
781	Sigmund L. Smith	40.34
782	Society of Economic Paleontologists & Mineralogists	6.00
783	South Denver Fuel & Feed Co.	1,935.08
784	Sparks Motor Co.	5.32
785	Spartan Tool Co.	48.40
786	Special Libraries Assn.	15.00
787	Gurnett Steinhauer	11.10
788	H. E. Stommel	52.87
789	Swena Transfer & Express	90.26
790	W. Harold Tomlinson	10.00
791	Universal Oil Products Co.	10.00
792	Universal Saw Filing & Grinding Works	5.20
793	University of Colorado	226.53
794	U.S. Post Office, Golden, Colo.	805.44
795	Warren R. Wagner	37.27
796	Wards Nat. Science Establishment	11.79
797	Warren Webster & Co.	598.31
798	Western Foundry	124.20
799	Westinghouse Electric Corp.	452.88
800	Arthur P. Wichmann	45.39
801	The H. W. Wilson Co.	217.88
802	Worthington Pump & Machy. Corp.	<u>252.98</u>
TOTAL SUPPLY VOUCHERS		28,007.74

MILL LEVY BLDG. FUND

3	Newstrom-Davis & Co.	5,237.55
TOTAL MILL LEVY BLDG. FUND		5,237.55

INDUSTRIAL DEVELOPMENT RESEARCH FUND

109	Sachs-Lawlor	9.94
110	Denver Sample Cut Service	<u>49.14</u>
TOTAL INDUSTRIAL DEVELOPMENT RES. FUND		59.08

EXPERIMENTAL PLANT FUND

34	Ashley Bussert	149.86	
35	Clair Dillon	164.46	
36	R. E. Eldredge	198.45	
37	Samuel Gasble	140.15	
38	H. F. Lunt	213.44	
39	Emmitt B. Maddox	189.82	
40	George T. Naughan	147.33	
41	Consuelo A. Owens	137.50	
42	Eugene Staritzky	286.43	
43	A. J. Weinig	<u>323.70</u>	1,906.39
22	Treas., State of Colorado Withholding Tax Account	211.80	
23	Treas., State of Colorado Retirement Assn. Acct.	75.21	
24	Colorado Hospital Service	27.35	
25	Insurance Account	<u>1.50</u>	<u>215.36</u>
	TOTAL EXPERIMENTAL PLANT FUND		2,281.65

ROCKEFELLER INTENSIVE ENGLISH FUND

8	Joseph Hahn Company	58.78	
9	Montgomery Ward & Co.	<u>98.79</u>	
	TOTAL ROCKEFELLER INTENSIVE ENGLISH FUND		157.57

ATHLETIC ASSOCIATION FUND

83	Athletic Assn. Revolving Fund	1,411.78	
84	Athletic Revolving Fund	380.73	
85	John Adams	16.30	
86	C.S.M. Alumni Assn.	156.37	
87	Harold V. Brobeck	5.00	
88	Denver Towel Supply Co.	74.75	
89	Hickory Valley Trading Co.	24.16	
90	Ellison Ketchum	16.50	
91	Mrs. Dolores Reese	16.50	
92	Gaston Santi	16.30	
93	Silver State Printers	4.75	
94	Svena Transfer & Express	15.50	
95	Mrs. Marie Taylor	7.50	
96	Union Pacific Railroad	1,337.40	
97	White Rose Laundry	<u>142.14</u>	
	TOTAL ATHLETIC ASSN. FUND		3,570.45

Mr. Steinhauer presented financial statements, which were reviewed by the members of the Board. These included the Summary of Budget Appropriations and Disbursements for the period ending November 30, 1947, the Balance Sheet as of November 30, 1947, the Dining Hall Statement of Profit and Loss for the month of November, and the Canteen Statement of Profit and Loss for the period July 12, 1947 through November 29, 1947.

Mr. Steinhauer then left the meeting.

President Parker stated that some members of the Administrative Advisory Council had suggested the advisability of a member of the Board of Trustees attending the meetings of this Council. It was the consensus of the Board that if the date of the meetings of the Administrative Advisory Council should be changed to coincide with the date of the meetings of the Board of Trustees that one or more members of the Board would arrange to attend the meetings of the Administrative Advisory Council, and President Parker was instructed to inform the Council of this suggestion.

President Parker presented a copy of a letter addressed to Mr. T. C. Doolittle by Mr. C. Erb Wurnsch, under date of December 9, 1947, and Mr. Harrison presented a copy of a letter addressed by him to Mr. T. C. Doolittle, under date of November 18, 1947.

A letter from Mr. G. C. Parker, President of the Parker Drilling Company, dated December 2, 1947, was presented and Mr. Harrison volunteered to reply on behalf of the Board of Trustees.

President Parker stated that, pursuant to instructions of the Board of Trustees, he had requested an opinion from the Attorney General of the State of Colorado concerning the liability of the School for possible liability and property damage.

President Parker presented a letter from the "Automatic" Sprinkler Corporation of America, dated November 25, 1947, which contained an estimate of the costs for installation of an automatic sprinkler system for Stratton Hall, Guggenheim Hall, the Gymnasium Building, the Dining Hall, and the Petroleum Refining Building. He also presented a report from Mr. John J. Kelley and Mr. Steinhauer concerning such sprinkler installations. After reviewing the letter and the report, it was the consensus of the Board that no further investigation of the sprinkler installations appeared justified.

Mr. Thomas inquired concerning the investigation of fire escapes for certain school buildings, which had been requested previously, and President Parker stated that Mr. Kelley was engaged in studies of the availability and costs of fire escapes. Mr. Harrison volunteered to

procure information concerning new developments in fire fighting equipment especially adapted for oil conflagrations.

President Parker called to the attention of the Board the necessity of authorization for him or Mr. John J. Kelley, Director of Development and Planning, to sign Change Orders pertaining to building contracts for construction of the Central Heating Plant. Upon motion by Mr. Thomas, seconded by Mr. Bowen, the following resolution was unanimously adopted:

RESOLVED, That the Board of Trustees of the Colorado School of Mines, Golden, Colorado, does hereby authorize Ben H. Parker, President, Colorado School of Mines, or John J. Kelley, Director of Development and Planning, Colorado School of Mines, to sign Change Orders pertaining to building contracts for construction of a Central Heating Plant for the Colorado School of Mines.

President Parker recommended that Mr. Gurnett Steinbauer and Dean M. I. Signer each be authorized to sign, "Ben H. Parker, President", on vouchers pay rolls, statements, and reports requiring the president's signature. Thereupon, the Board unanimously adopted the following resolution:

RESOLVED, That Gurnett Steinbauer, Treasurer, and M. I. Signer, Dean, are hereby authorized to sign the name, "Ben H. Parker, President by Gurnett Steinbauer, Treasurer" or "Ben H. Parker, President by M. I. Signer, Dean" on all vouchers, pay rolls, statements, and reports requiring the name of Ben H. Parker, President, Colorado School of Mines.

President Parker reported that the Corps of Engineers of the U.S. Army had requested the School to consider a proposal for extensive drilling and blasting operations to be conducted in connection with the program of Protective Construction now being undertaken. This request was considered at length and it was the consensus of the Board that the School should attempt to undertake the proposed work on a contract basis, and President Parker was authorized to make detailed investigation concerning the ability of the School to prosecute such work and to make a request of the Governor for permission to undertake the proposed contract.

President Parker presented an interpretation, dated December 2, 1947, by Mr. Harold D. Roberts, regarding the possible use of a portion of the Simon Guggenheim Legacy for the purpose of paying a portion of the cost of the drive for endowment funds, now being considered by the Directors of the Colorado School of

Mines Foundation. After consideration of this interpretation, Mr. Thomas reported that Judge Wilbur M. Alter had suggested the advisability of securing an interpretation from the attorneys who prepared the will of the late Simon Guggenheim. In accordance with this suggestion, President Parker was instructed to request an interpretation from these attorneys.

President Parker outlined the conditions under which experimental work has been conducted at the Experimental Plant and the present relationship between the director of the Experimental Plant and the institution. He recommended that a thorough investigation of these relationships and the operation of the Experimental Plant be made. President Parker was requested to make such investigation as appeared to him to be necessary.

President Parker stated that a speaker for the Commencement to be held on May 28, 1948, should be selected at an early date and recommended consideration of Mr. Harrison Morrison Lavender to give this address. Upon motion by Mr. Thomas, seconded by Mr. Bowen, and unanimously carried, President Parker was instructed to invite Mr. Lavender to make the address.

Mr. Robert K. Fuller, Mr. John J. Kelley, and Mr. Steinhauer then entered the meeting.

Mr. Fuller presented revised plans for a dormitory and an estimate of costs for the construction of a building according to these plans. After an intensive study of these plans and cost estimates, it was the consensus of the Board that a study of the possibility of construction of a dormitory should be continued and Mr. Steinhauer was requested to investigate the possibility of financing the proposed structure. Mr. Kelley was requested to give critical study to the plans as presented by Mr. Fuller.

The meeting then adjourned.

Assistant Secretary