

INDEX TO VOLUME 20

A		D	
	Page		Page
Alkali spark spectra, critical potentials associated with excitation of	167	<i>Davis, Raymond</i> , A nonintermittent sensitometer (time-scale exposure machine) with clock-controlled motor drive	345
Alternating current distribution in cylindrical conductors	277	—, A special camera for photographing cylindrical surfaces	515
Ammonia vapor, specific heat of superheated	65	Dew points of fuel-air mixtures, a method of determining the	47
Arc spectra of the platinum metals (4500A to 9000A)	19	<i>Dryden, Hugh L., and George C. Hill</i> , Wind pressures on structures	697
B		E	
Ballistics, spark photography and its application to some problems in	237	<i>Eckman, James R., Louis Jordan and</i> , Gases in metals: II. The determination of oxygen and hydrogen in metals by fusion in vacuum	445
<i>Barry, James M., Walter L. Cheney, Raymond L. Sanford and</i> , Effect of wear on the magnetic properties and tensile strength of steel wire	339	Electrode potentials and polarization, a method of studying	153
<i>Brandt, Paul F., John R. Freeman, jr., Frederick Sillers, jr., and</i> , Pure zinc at normal and elevated temperatures	661	Etching reagents, metallographic: III. For alloy steels	527
<i>Buckingham, Edgar</i> , Theory and interpretation of experiments on the transmission of sound through partition walls	193	Expansion of Tungsten, Thermal	483
C		F	
Camera, a special, for photographing cylindrical surfaces	515	Flow calorimeter for specific heats of gases	119
Calorimeter, a flow, for specific heats of gases	119	<i>Freeman, John R., Frederick Sillers, jr., and Paul F. Brandt</i> , Pure zinc at normal and elevated temperatures	661
<i>Cheney, Walter L., James M. Barry, Raymond L. Sanford and</i> , Effect of wear on the magnetic properties and tensile strength of steel wire	339	Fuel-air mixtures, a method of determining the dew points of	47
Circuits, with circular symmetry about a common axis, tables for the calculation of the mutual inductance of	1	G	
<i>Coblentz, W. W.</i> , Temperature estimates of the planet Mars	371	Gases, a flow calorimeter for specific heats of	119
Conductors, alternating current distribution in cylindrical	277	Gases in metals	445
Cracks, quenching, origin of	399	Glass at high temperatures, measurements of the index of refraction of	635
<i>Cragoe, C. S., H. F. Stimson, T. S. Sligh, jr., N. S. Osborne and</i> , Specific heat of superheated ammonia vapor	65	<i>Groesbeck, Edward C.</i> , Metallographic etching reagents: III. For alloy steels	527
Cryostats, nonflammable liquids for	619	<i>Grover, F. W.</i> , Tables for the calculation of the mutual inductance of circuits with circular symmetry about a common axis	1
Current, alternating, distribution in cylindrical conductors	277	H	
Cylindrical surfaces, a special camera for photographing	515	Haemacytometers, a new interference apparatus for testing	221
		Heats of gases, a flow calorimeter for specific	119

	Page		Page
<i>Hidnert, Peter, and W. T. Sweeney,</i> Thermal expansion of tungsten-----	483	<i>Osborne, Nathan S., H. F. Stimson,</i> <i>T. S. Sligh, jr., and C. S. Cragoe,</i> Specific heat of superheated ammonia vapor-----	65
<i>Hill, George C., Hugh L. Dryden</i> <i>and,</i> Wind pressures on structures-----	697	Oxygen and hydrogen, determination of, in metals by fusion in vacuum-----	445
<i>Holler, H. D.,</i> A method of studying electrode potentials and polarization-----	153		
Hydrogen, oxygen and, determination of, in metals by fusion in vacuum-----	445		
I		P	
Indicator, an improved type of wave meter resonance-----	111	<i>Page, B. L., O. G. Peters and,</i> A new interference apparatus for testing haemacytometers-----	221
Inductance of circuits with circular symmetry about a common axis, tables for the calculation of the mutual-----	1	<i>Peters, O. G., and B. L. Page,</i> A new interference apparatus for testing haemacytometers-----	221
J		—, Measurements of the index of refraction of glass at high temperatures-----	635
<i>Jackson, Richard F., Clara Gillis Silsbee, and Max J. Proffitt,</i> The preparation of levulose-----	587	Photographing cylindrical surfaces, a special camera for-----	515
<i>Jordan, Louis, and James R. Eckman,</i> Gases in metals: II. The determination of oxygen and hydrogen in metals by fusion in vacuum-----	445	Photography, spark, and its application to some problems in ballistics-----	237
K		Planet Mars, temperature estimates of the-----	371
<i>Kanolt, C. W.,</i> Nonflammable liquids for cryostats-----	619	Platinum metals, investigations on the-----	19
<i>Kennedy, Roy J.,</i> A method of determining the dew points of fuel-air mixtures-----	47	Polarization, a method of studying electrode potentials and-----	153
L		Potentials and polarization, a method of studying electrode-----	153
Levulose, The preparation of-----	587	Preparation of levulose, the-----	587
Liquids, nonflammable, for cryostats-----	619	Pressure, wind, on structures-----	697
M		<i>Proffitt, Max J., Richard F. Jackson, Clara Gillis Silsbee and,</i> The preparation of levulose-----	587
Mars, Temperature estimates of the planet-----	371	Q	
Measurements of the index of refraction of glass at high temperatures-----	635	<i>Quayle, Philip P.,</i> Spark photography and its application to some problems in ballistics-----	237
<i>Meggers, W. F.,</i> Investigations on the platinum metals-----	19	Quenching cracks, origin of-----	399
Metallographic etching reagents: III. For alloy steels-----	527		
Metals, determination of oxygen and hydrogen in, by fusion in vacuum-----	445	R	
Metals, gases in-----	445	Reagents, metallographic etching: III. For alloy steels-----	527
Metals, investigations on the platinum-----	19	Refraction of glass at high temperatures, measurements of the index of-----	635
<i>Möhler, F. L.,</i> Critical potentials associated with excitation of alkali spark spectra-----	167	Resistor, a shielded, for voltage transformer testing-----	489
N		Resonance indicator, an improved type of wave meter-----	111
Nonflammable liquids for cryostats-----	619	S	
O		<i>Sanford, Raymond L., Walter L. Cheney and James M. Barry,</i> Effect of wear on the magnetic properties and tensile strength of steel wire-----	339
Origin of quenching cracks-----	399	<i>Scott, Howard,</i> origin of quenching cracks-----	399
<i>Osborne, Nathan S., H. F. Stimson, and T. S. Sligh, jr.,</i> a flow calorimeter for specific heats of gases-----	119	Sensitometer, a nonintermittent (time-scale exposure machine), with clock-controlled motor drive-----	345

	Page		Page
<i>Sillers, Frederick, jr., John R. Freeman, jr., Paul F. Brandt and,</i> Pure zinc at normal and elevated temperatures-----	661	<i>Sweeney, W. T., Peter Hidnert and,</i> Thermal expansion of tungsten----	483
<i>Silsbee, Clara Gillis, Richard F. Jackson, Max J. Proffitt and,</i> The preparation of levulose-----	587	Symmetry about a common axis, ta- bles for the calculation of mutual inductance of circuits with circu- lar-----	1
<i>Silsbee, Francis B.,</i> A shielded re- sistor for voltage transformer testing-----	489	T	
<i>Sligh, jr., T. S., H. F. Stimson, Nathan S. Osborne and,</i> A flow calorimeter for specific heats of gases-----	119	Temperature estimates of the planet Mars-----	371
— <i>C. S. Cragoe, H. F. Stimson, N. S. Osborne and,</i> Specific heat of superheated ammonia vapor----	65	Temperatures, high, measurements of the index of refraction of glass at-----	635
<i>Snow, Chester,</i> Alternating current distribution in cylindrical conduc- tors-----	277	Testing, a shielded resistor for volt- age transformer-----	489
Sound through partition walls, the- ory and interpretation of experi- ments on the transmission of-----	193	Testing haemacytometers, a new in- terference apparatus for-----	221
Spark photography and its applica- tion to some problems in ballis- tics-----	237	Time-scale exposure machine, a non- intermittent sensitometer with clock-controlled motor drive-----	345
Spectra, critical potentials asso- ciated with excitation of alkali spark-----	167	Thermal expansion of tungsten----	483
Steel wire, effect of wear on the magnetic properties and tensile strength of-----	339	Transmission of sound through parti- tion walls, theory and interpreta- tion on the-----	193
<i>Stimson, H. F., T. S. Sligh, jr., and Nathan S. Osborne,</i> A flow calorim- eter for specific heats of gases----	119	Tungsten, thermal expansion of----	483
— <i>T. S. Sligh, jr., C. S. Cragoe, and N. S. Osborne,</i> Specific heat of superheated ammonia vapor-----	65	V	
<i>Strock, Morris S.,</i> An improved type of wave-meter resonance indicator--	111	Vapor, specific heat of superheated ammonia-----	65
Structures, wind pressure on-----	697	Voltage transformer testing, a shielded resistor for-----	489
Sugar, the preparation of levulose--	587	W	
Superheated ammonia vapor, specific heat of-----	65	Walls, partition, theory and interpre- tation of experiments on the trans- mission of sound through-----	193
Surfaces, cylindrical, a special cam- era for photographing-----	515	Wave-meter resonance indicator, an improved type of-----	111
		Wind pressure on structures-----	697
		Wire, steel, effect of wear on mag- netic properties and tensile strength of-----	339
		Z	
		Zinc, pure, at normal and elevated temperatures-----	661



