

## **Doctoral 1935-2015**

### **Advisor**

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Brady, James J.  
Brady, James J.  
Yunker, E. A.  
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Dempster, Richard R.  
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Dempster, Richard R.  
Yunker, E. A.  
Paxton, H. C.  
Brady, James J.  
Argo, H. V.  
Varner, Wm. R.  
Brady, J. J.  
Schechter, Larry  
Decker, Fred W.  
Brady, James J.  
Jarvis, George A.  
Schechter, Larry  
Brady, James J.  
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Decker, Fred W.  
Decker, Fred W.  
Burch, David S.  
Fairchild, C. E.  
Schechter, Larry  
Brady, James J.  
Burch, David S.  
Schechter, Larry  
  
Burch, David S.  
Fairchild, Clifford E.  
Brady, James J.  
Easterday, Harry T.  
Schechter, Larry

### **Creator**

Jones, Herbert L.  
Varner, William Roy, 1889-1967  
Reid, William Curtis  
Lui, Chung Kwai  
Jewell, Wm. R. (William Ray)  
Trolan, J. Kenneth  
Forbes, Stuart Gordon  
Crews, Robert Wayne  
Pearson, Maynard Dean | Peoples, Samuel Ray  
Decker, Fred W. (Fred William), 1917-  
Nelson, Donald John  
Byers, Cleo Clifford  
Barnes, George  
Holm, Dale Marvin  
Woodbridge, David Davis  
Davis, Monte V. (Monte Vincent), 1923-  
Day, John A.  
Pike, Julian McKendree  
Bettler, Philip Charles.  
Chezem, Curtis Gordon  
Glasgow, Dale William  
Perry, Richard Lee  
Lall, Prithvi Chand  
Skinner, John George  
Pradhan, Shanker Prasad  
Lowry, William P., 1927-  
Lowry, William P.  
Brown, Bert Elwood  
Morack, John Ludwig  
Coleman, Lamar William  
Tynes, Arthur Richard  
Evenson, Kenneth M.  
Sommerfeldt, Raymond Walter  
Barr, George Earl  
Roberts, Thomas David  
Dickerson, George Fielden  
Cuderman, Jerry Ferdinand  
Glibert, Kenneth Malcolm  
Cannon, Theodore Wiles

Brady, James J.  
Easterday, Harry T.  
Cutler, Melvin  
Easterday, Harry T.  
Madsen, V. A.  
Brady, James J.  
Davis, Howard F.  
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Easterday, Harry T.  
Gillot, David V.  
Schechter, Larry  
Drake, Charles W.  
Burch, David S.  
Fairchild, C. E.  
Fessenden, Peter  
Fontana, Peter R.  
Drake, Charles W. Jr  
Cutler, Melvin  
Burch, David S.  
Wasserman, Allan L.  
Brady, James J.  
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Wasserman, Allen L.  
Wasserman, Allan L.  
Easterday, H. T.  
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Brady, James J.  
Krane, K.  
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Boedtker, Olaf A.  
Kocher, Carl A.  
Fontana, Peter R.  
Wasserman, Allen  
Fontana, Peter R.  
Kocher, Carl A.  
Landau, Rubin H.  
Cutler, Melvin  
Gardner, John A.  
Wasserman, Allen  
Swenson, Wayne  
Cutler, Melvin

Anderson, M. F. (Merlin Frank), 1930-  
Cooper, Larry Russell  
Fickett, F. R.  
Walker, Donald Arthur  
Schmittroth, Frank Allen  
Whitefield, Rodney Joe  
Jauch, Delbert Edwin  
Carlson, James Robert  
Barnes, W. Earl  
Nisley, Richard Arthur  
Wilson, Mark Alexander Dexter  
Lynch, Donald James  
Losee, Jon Robert  
Czarnik, John Wolfgang  
Rogers, Charles William  
Srivastava, Rajendra Prasad  
Alguard, Mark John  
Donally, James Maxwell  
Hogan, Lewis Gregory  
Hicks, Jay Charles  
Strayer, Richard Wesley  
Crouch, Keith Goodin  
Johnson, Jerris Frederick  
Pynchon, George Earl  
Chên, Wen-hsiung  
Garg, Hari Prasad  
Leung, Yee Kit  
Shobaki, Jaser M.  
Bharatiya, Narsingh Ramniwas  
Eide, Stuart Ames  
Smith, Augustine J.  
Greenwood, William Graham  
Karniewicz, Joseph J.  
Blind, Barbara  
Shepard, Chester L.  
Pañz-Mejã-a, Manuel Josã©  
Rasolondramanitra, Henri  
Gaskill, D. Kurt  
Lee, Yong-Inn  
Pillai, Chandrasekhara  
Bell, Florian G.

Stetz, Albert W.  
Gardner, John A.  
Kocher, Carl A.  
Cutler, Melvin  
Swenson, L. Wayne  
Landau, Rubin H.  
Gardner, John A.  
Cutler, Melvin  
Kocher, Carl A.  
Gardner, John A.  
Jansen, Henri J. F.  
Gardner, John A.

Krane, Kenneth S.  
Krane, Kenneth S.  
Landau, Rubin H.  
Wasserman, Allen  
Stetz, Al  
Barofsky, Douglas F.  
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Stetz, Albert W.  
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Tate, Janet  
Siemens, Philip J.  
Tate, Janet  
Landau, Rubin H.  
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McIntyre, David H.  
Tate, Janet  
Guenther, Ronald B.  
Hetherington, William M.  
Warren, William W. Jr

Gumplinger, Peter  
Jaeger, Herbert, 1956-  
Taylor, Charles Robert, 1956-  
Kao, Shaw-shya  
Chen, Xiao-yan  
Schnick, Jeffrey W.  
Su, Han-tzong  
Silva, Larry A.  
McCown, Gary Edward  
Wang, Ruiping  
Peng, Songshi S.  
Han, Weimin, 1960-  
Vischer, Axel P.  
Gummin, Mark Alson  
Xu, Yue-shu  
He, Guangliang  
Canfield, Lingzhou Li  
Fuchs, Paul  
Yen, Ten-Yang  
Ji, De  
Han, Fuxiang  
Love, Michael J.  
Ju, Chang-Yuan  
Yan, Caihua  
Lundquist, Randy  
Schray, J  rg  
Farzanpay, Farzin  
Zhao, Jie  
Jang, Winyann  
Fuller, Scott E.  
Wu, Huachuan  
Karapetrov, Goran  
Symmes, Jonathan P.  
Roberts, Jeanette Marie  
Mefford, Tim  
Lu, Dinghui  
Swanson, Thomas B.  
Tom, Dennis W.  
Ali, Abdulmuhsen H.  
Zagone, Robin L.  
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Warren, William W. Jr  
Siemens, Philip J.  
Hetherington, William M.  
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Warren, William W. Jr  
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Landau, Rubin H.  
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Zacate, Matthew O.  
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Goldman, Keith Isaac  
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Matson, Bradley S.  
Zaerpoor, Koorosh  
Schneider, Gunter  
Sahyun, Steven Carl  
Wolff, David  
Dragowsky, Michael Raymond  
Moret, Eric J. M.  
Shroyer, Mark H.  
Monte, Francesca  
Kheaomaingam, Nupan  
Gunther, Allen David  
Lee, Theresa A.  
Shatalov, Alexei  
Katz, Daniel Louis  
Zhang, Zhongming  
Tassotto, Michael  
Gaskell, David J.  
Baukol, Beau  
Browne, Kerry P.  
Griffith, John W.  
Jun, Bongim  
Matusevich, David Sergio  
Klipp, Cheryl L.  
Alves, Mauro A.  
Schmelzenbach, Paul D.  
Rogers, Michael  
Peery, Travis B.  
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Siemens, Philip J.  
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Lee, Yun-Shik  
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Dragila, Maria I.  
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Ostroverkhova, Oksana  
Podolskiy, Viktor A.  
Jansen, Henri  
Stetz, Albert W.  
Tate, Janet  
Stetz, Albert  
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Minot, Ethan  
Lee, Yun-Shik  
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Roundy, David J.  
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Kovchegov, Yevgeniy  
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Ostroverkhova, Oksana  
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Tate, Janet  
Schneider, Guenter  
Minot, Ethan D.  
Schneider, Guenter  
Minot, Ethan  
Lee, Yun-Shik  
Roundy, David J.

Scott, Silas Menlo  
Hilger, Derrick J.  
Loats, Jeffrey T.  
Stapels, Christopher John  
Roberts, Neil (Neil Gregory)  
Song, Jung-Hwan  
Rowe, Kirk, 1966-  
Wattanakasiwich, Pornrat  
Townsend, Emily A.  
Amer, Naaman  
Govyadinov, Alexander A.  
Hurlbut, Walter C.  
Danielson, Jeremy R.  
Dorsett, Skye Forrest  
Hay, Katrina M.  
Wiren, Zachary Quincy  
Wangberg, Robyn  
Day, Jonathan  
Elser, Justin Lee  
Walsh, Kenneth Charles  
Stenson, Jared R., 1977-  
Zakutayev, Andriy  
Sprunger, Peter Hayden  
Thongrattanasiri, Sukosin  
Leyden, Matthew R.  
Tomaino, Joseph L.  
Prisbrey, Landon  
Jackson, Dennis L.  
Jameson, Andrew D.  
Kendrick, Mark J.  
Dimcovic, Zlatko  
Kuhta, Nicholas Anthony  
Shepherd, Whitney E. B.  
Park, Seongweon  
Francis, Jason  
Vielma, Jason Michael  
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**Masters 1928-2015**

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Yunker, E. A.  
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Varner, W. R.  
Brady, James J.  
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Weniger, W.  
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Harris, Benjamin Elijah  
Varner, William Roy, 1889-1967  
Perkins, Oliver Dix  
Feikert, Grant Stephen  
Tingley, Howard B.  
Coleman, Howard  
Wahl, Harold Frederick  
Ellickson, Raymond Thorwald  
Thomas, Harold Albert  
Miller, William Alphonso  
Holmquist, Robert Edwin  
Lui, Chung Kwai  
Cox, Walter Allen  
Moore, William Hickman  
Bolinger, Duis Donald  
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Elle, Bruce Lloyd  
Watson, Jesse Robert  
Shumway, Jamie Lindsay  
Anderson, Hubert Waterbury  
Forbes, Stuart Gordon  
Byers, Cleo Clifford  
Esterly, Henry Norcross  
Crews, Robert Wayne  
Holland, Ralph  
Trolan, J. Kenneth  
Johnson, Robert Homer  
Hagen, Jack Ingval  
Wang, Tao-fang  
Larson, Richard Ross  
Hendricks, Henry Wallace  
Conrad, Werner  
Gibson, Gilbert  
Lawrence, Robert Windle  
Martilla, Arthur Henry  
Riley, Jack Carter

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Weniger, W.  
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Dempster, R. R.  
Brady, James J.  
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Brady, J. J.  
Bolinger, D. D.  
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Vinyard, H. R.  
Varner, W. R.  
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Bolinger  
Yunker, E. A.  
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Brady, James J.  
Vinyard, H. R.  
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Dempster, R. R.  
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Pearson, Maynard Dean  
Astley, Eugene Roy  
Peoples, Samuel Ray  
Maillard, William Charles  
Brock, Robert Lewis  
Wang, Chee Tao  
Greer, James Albert  
Jenne, Everett Knowlton  
Holm, Dale Marvin  
Woodbridge, David Davis  
Davis, Monte V. (Monte Vincent), 1923-  
Fry, Willis Edmond  
Golden, Vernon Edgar  
Newbold, John Edward  
Havill, Jerry Ramonxen  
Day, John A.  
Bates, David James  
Kunz, Peter Dale  
Tynes, Arthur Richard  
Strickland, Jean Leslie  
Bennett, Robert Allen  
Wallace, Charles Edward  
Brick, Rowan O.  
Carpenter, James Floyd  
Barbour, John Percy  
O'Halloran, Thomas Alphonsus  
Perry, Richard Lee  
Sommerfeldt, Raymond Walter  
Mahon, Harold Patterson  
Larson, Milton Byrd  
Walton, Richard Bruce  
Chambers, James E.  
Grundhauser, Frank Jacob  
Pope, Joseph Horace, 1929-  
Stanley, Glenn M.  
Perry, William Douglas  
Allen, Earl Wayne  
Falk, Edward Daniel  
Ronne, James Sayre  
Lewellen, John Wesley  
Anderson, M. F. (Merlin Frank), 1930-

Decker, Fred W.  
Trigg, G. L.  
Nicodemus, David B.  
Decker, Fred W.  
Roesch, W. C.  
Brady, J. J.  
Brady, James J.  
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Vinyard, H. R.  
Decker, Fred W.  
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Burch, David S.  
Decker, Fred W.  
Brady, James J.  
Trigg, George L.

Decker, Fred W.  
Schechter, Larry

Decker, Fred W.  
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Nicodemus, David B.  
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Brady, James J.  
Burch, David S.  
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Pike, Julian McKendree  
Ohh, Sekyu  
Glasgow, Dale William  
Bates, Howard Francis  
Larson, Harold Vincent  
Petersen, Edward Leland  
Woodruff, Rollin Smith  
Etters, Richard D.  
Beecroft, Robert Isaiah  
Stephan, Lester Arthur  
Coleman, Lamar William  
Skinner, John George  
Hershman, Arthur Lee  
Hunsucker, R. D.  
Sutton, Robert William  
Schmunk, Donald Fred  
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Washington, Warren M.  
Nichols, Lowell Lewis  
Dow, Shirley Lillian  
Mueller, Robert Allen  
Mendenhall, Laurence David  
Mansfield, Joseph Alfred  
Ramsdell, J. V.  
Steigner, John Martin  
Auborn, James John  
Fosberg, Michael A.  
Tucker, Stevens Parrington  
Snelling, Hilda Jane  
Starr, Leonard Neal  
Sears, James W.  
Couch, Richard W.  
Sarmah, Suryya Kanta  
Prince, John Robert  
Takeuchi, Donald Masaru  
Pembroke, John David  
Knechtel, Kenneth Boyd  
Odegard, Mark Erie  
Eliason, Jon Tate  
Murray, John Sutherland  
Blackburn, Wildon Charles



Cutler, Melvin  
Brady, James J.  
Decker, Fred W.  
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Jansen, Henri J. F.  
Gardner, John A.  
Krane, Kenneth S.  
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Madsen, V. A.  
Wasserman, Allen  
Van Vechten, James A.  
Landau, Rubin H.  
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Gardner, John A.  
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McIntyre, David H.  
Jansen, Henry J. F.  
Gardner, John A.  
Griffiths, David J.  
Plant, Thomas K.

Field, Marshall B.  
Fahrenbruch, Alan L.  
Rinehart, Ronald E.  
Bower, Carl A., Jr.  
Dahl, Michael M.  
Ghaleb, Hossam H.  
Xiao, Dong  
Schulz, Norbert S.  
Gold, Guido  
Schmid, Andreas (Andreas Karl), 1962-  
Herpe, Joachim  
Gutekunst, Bernd  
Doll, Bernhard  
Rieckert, Volker  
Brown, Daniel E.  
Sonawala, Paula  
El Tayyan, Ahmed Asad  
Anders, Juergen  
HÅrting, Antje  
Kircher, Jens  
Schmid, Uwe  
Fink, Paul J., 1954-  
Orwa, Julius O.  
Weidlich, Georg A.  
Fuchs, Heinz D.  
Schwenker, Rainer  
Buettner, Douglas J.  
Rosenbauer, Martin  
Fuchs, Martin B.  
Stevens, Darren W.  
Dundon, Lisa  
Hermann, Bianca A.  
Delfs, Holger  
Sonnen, Steven J.  
FÅssell, Alexander  
Goebel, Andreas  
Cuneo, Christopher J.  
Decker, Mike W.  
Shank, Karl  
Creel, Emory Myron Willett  
Peter, Manuela

Vong, Richard J.  
Warren, William W. Jr  
McIntyre, David H.  
Vechten, James A. Van  
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Krane, Kenneth S.  
Warren, William W.  
Jansen, Henri J. F.  
Palmer, Todd S.  
Plant, Thomas K.  
Warren, William W.  
Landau, Robin H.  
Tate, Janet  
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Wasserman, Allen L.  
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Hetherington, William M.  
Podolskiy, Viktor  
Tate, Janet  
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McIntyre, David  
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Mullen, Corina P.  
Lopez, Peggy A.  
Greer, Michael R.  
Albus, Alexander P.  
Rios, Maribel GÃ³mez  
Perreault, Nicki  
Wang, Haiyan  
Laubsch, Bertrand  
Stump, Kurt  
Hawkins, Robert E.  
Bauman, Jordan Michael  
Kykyneshi, Robert  
Osborne, James J.  
Easley, Dara L.  
Norton, Bryan J.  
Nebergall, Nathan Sky  
Thongrattanasiri, Sukosin  
Harada, Daniel Ryan  
Roth, Jennifer A. (Jennifer Albretsen)  
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<http://hdl.handle.net/1957/53734>  
<http://hdl.handle.net/1957/53409>  
<http://hdl.handle.net/1957/51877>  
<http://hdl.handle.net/1957/52286>  
<http://hdl.handle.net/1957/51706>  
<http://hdl.handle.net/1957/51768>  
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**Title**

An electron theory of Hall effect and susceptibility  
The rotating sector disk as used in an optical pyrometer  
Reflection factors of nickel in the infra-red at high temperatures  
The crystal photoeffect in D-tartaric acid single crystals  
A technique for measuring internal friction in vibrating reeds  
Extension of the experimental field-current law to regions of high fields and large currents  
Cross section measurements for the production of activities by 14-mev neutrons  
Charged particle observations of Li + T reactions  
Reflection of microwaves from metal-plate media  
The measurement of the optical thickness of atmospheric ozone  
Plasma oscillations at microwave frequencies in a static magnetic field  
Radiative capture cross sections for the neutrons in a critical sphere of U-235 metal  
Field emission studies with rhenium wire  
The determination of the elastic scattering cross section for triton bombardment of tritium  
The effects of time-varying impulses on a ballistic galvanometer  
Resonance capture of neutrons by uranium cylinders  
The effect of size and time on the fusion of three to twenty micron water droplets  
Mountain waves with neutral thermodynamic stability  
The activation energy for surface migration of tungsten atoms on tungsten  
Neutron flux parameters of an uranium meta exponential experiment  
Gamma-gamma directional correlation in magnesium-24  
Field emission current from silicon as a function of applied potential  
Gamma-gamma directional correlation in titanium-46 ( $Ti^{46}$ )  
Some dielectric breakdown properties of oxygen with 3.2 cm radiation  
Activation energies for impurities in vanadium from measurements of internal friction  
The sea breeze of Northwest Oregon and its influence on forestry operations  
The sea breeze of Northwest Oregon and its influence on forestry operations  
A configuration-interaction calculation of wave functions for certain states of lithium  
Measured lifetimes for the first excited  $J=1$  ( $\hat{A}^3P^1$ ) level in argon and krypton  
Gamma-gamma directional correlation study of barium-134  
Spectral time-resolution of light from microwave discharges in helium  
Atomic nitrogen recombination studied by electron paramagnetic resonance  
Perturbed directional correlation in Ta-181  
On the diffraction of a cylindrical pulse by a half plane  
Experimental determinations of electron energy distributions for Townsend discharges in helium gas  
A direct lifetime measurement for a resonance transition in argon  
Atomic ejection in the beam sputtering of nickel, by argon ions, in the threshold to 600 ev energy range  
Gamma- and beta-ray spectroscopy studies of the radioactive decay of Mn-51 to Cr-51  
Perturbed directional correlation in Ta-181

The pressure effect and time resolution of helium molecular bands in a pulsed microwave plasma  
 The decay of  $4.1 \text{ hour } \text{Zn}^{64}$  and the levels of  $\text{Ga}^{67}$  by the unified model : levels of  $\text{Zn}^{64}$  by the  $\text{Zn}^{64}$   
 Longitudinal magnetoresistance of single-crystal mercury  
 The decay of  $^{64}\text{Cu}$  and  $^{63}\text{Cu}$ --energy levels of  $^{64}\text{Ni}$  and  $^{63}\text{Ni}$   
 A comparison of effective interactions in nuclear structure and scattering  
 Surface effects in photoemission from sodium  
 Measurement of the neutral cascade hyperon lifetime  
 $k^+$ ,  $p$  [forward arrow]  $k^+$  [uppercase xi] differential cross section measurement at 1.8 GeV/c  
 The decay of  $\text{Pd}^{106}$ ,  $\text{Pd}^{107}$  [superscript g], and  $\text{Pd}^{108}$  [superscript m]  
 The unitary model operator approach to structure in the 2s-1d shell  
 Spin-flip probability of protons inelastically scattered from carbon and sulfur  
 Observation of fine structure interference effects in Lyman-Beta radiation from beamfoil excited hydro  
 Experimental electron energy distributions for Townsend discharges in argon gas  
 Dissociative excitation of  $\text{H}^+$ ,  
 Inelastic scattering of 17-MeV protons from  $^{14}\text{N}$  and  $^{15}\text{N}$   
 Effects of coupled atomic states on the resonance scattering of radiation  
 Stark induced intensity beats in Lyman-beta and Lyman-alpha emission from beam-foil formed hydroge  
 Measurement of Hall coefficient of liquid solutions of thallium-tellurium  
 The recombination of atomic oxygen  
 Electron-phonon contribution to the electronic density of states in a dilute alloy  
 Work function measurements of single crystal surfaces by the field emission retarding potential metho  
 Surface effects in photoemission from potassium  
 Optical constants of polar solids  
 A collective coordinate theory of liquid helium via the Green's function equations of motion  
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 Detection and electric field quenching of nitrogen atoms in the  $2s2p^3s$   $^4S_3/2$  meta-stable autoior  
 Atomic ejection in the single crystal sputtering of nickel with 40-600 eV argon ions  
 Angular correlation studies of  $E^2/M1$  gamma-ray multipole mixing ratios in odd-mass spherical nuclei  
 Electron-phonon interactions and de Haas-van Alphen effect in dilute non-magnetic alloys  
 The effect of ultra-high pressure on the emf of thermocouples  
 Time-of-flight studies of high Rydberg states in atomic lithium excited by electron impact  
 Decay of atomic states strongly coupled by an oscillating field  
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 Response of two-level atoms to intense amplitude modulated laser beams  
 Collision processes of high Ryberg states in atomic lithium  
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 Perturbed angular correlation measurements of hyperfine fields in liquid and amorphous selenium-tell  
 Collective electronic excitation modes in a superlattice  
 Direct mass measurements of light neutron-rich nuclei using a combined energy and time-of-flight tech  
 Optical absorption in liquid semiconductors



A measurement of the neutral pion form factor by means of the reaction  $[\pi^0] + e^- \rightarrow e^- + \gamma$   
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 The use of a high-Rydberg lithium beam and a fine mesh target to probe atom-surface interactions  
 Electronic behavior of purified Selenium-rich alloys  
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 Hard spheres within classical density functional theory and Min proteins in Escherichia coli

## Applications of Holographic Optical Tweezers: Multiplexed Fluorescence Spectroscopy and the Microm

### Title

A translucent writing screen

Investigation of the glare of automobile headlights

The physical bases of seed separation

An investigation of radio ground wave transmission in Oregon at broadcast frequencies

An investigation of signal strength variations at broadcast frequencies

The relation between size of high school attended and scholastic success in college

Absorption and reflection factors of blackening materials used in energy measuring instruments

Behavior of colored ions in electric and magnetic fields

A study of patterns in sputtered films

A new type of generating voltmeter

A new micro-wave generator

An experimental determination of the absorption bands of methyl chloride and deuterium oxide in the

Diffusion phenomena in strong magnetic fields

The energy hysteresis of a collagenous material

Installation of a wood-Anderson accelerometer at Oregon State College

A semi-portable, infra-red, vacuum spectrometer

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Reconstruction and calibration of a small grating spectrograph

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A simple recording microphotometer

A study of friction between steel surfaces at ultra-slow speeds

A coincidence Geiger counter for laboratory and demonstration purposes

Design and construction of a constant potential X-ray voltage supply

A multi-phase variable frequency audio oscillator

Construction and test of a cloud chamber for use with a Geiger counter

A device for focusing electrons in an electrostatic field

Conversion of a model DBS Loran indicator to a fixed time-base oscilloscope

Antenna lecture demonstration apparatus

The production of large single halide crystals for optical use

Thermocouples for infrared spectrometry

A photoelectric cell and allied equipment for student determination of Planck's constant

A relatively simple device for recording radiation intensities in the ultraviolet portion of the spectrum

Color negatives and color prints

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Transmission factors of antimony black in the region 1 to 6 microns

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Comparative SHG and XPG studies

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