

GRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed for Form Page 2.
Follow the sample format for each person. **DO NOT EXCEED FOUR PAGES.**

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|--|---------------------------|---|-----------------------|
| NAME | | POSITION TITLE | |
| Cole, Henry P. | | Professor, Preventive Medicine & Environmental Health | |
| EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.) | | | |
| INSTITUTION AND LOCATION | DEGREE (if applicable) | YEAR(s) | FIELD OF STUDY |
| Nasson College, Springvale, ME | BS | 1958 | Chemistry |
| State University of New York at Buffalo | EdM | 1966 | Teaching of Chemistry |
| State University of New York at Buffalo | EdD | 1968 | Ed. Psych & Sci. Ed. |
| Univ. of Michigan, School of Public Health | Certificate | Sum 1995 | Injury Epidemiology |

A. Positions and Honors. List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

Positions and Employment

1947-Pres. Part-time family farm worker
 1957-1958 Chemical Laboratory Technician, Wasco Chemical Company, Sanford, ME
 1958-1959 Regents Physics and General Science Teacher, Holland Central School, Holland, NY
 1959-1960 US Army Reserves active duty – 86th Engineer Battalion
 1960-1961 Medical Laboratory and Hemodialysis Technician, Buffalo General Hospital, Buffalo, NY
 1961-1965 General Science Teacher, Griffith Institute and Central School, Springville, NY
 1965-1968 Instructor, Educational Psychology State University of New York at Buffalo, NY
 1968-1969 Lecture in Graduate Education & Curriculum Theory, Syracuse University, Syracuse, NY
 1971 Visiting Professor, Educational Psychology, Cornell University, Ithaca, NY
 1968-1971 Research Program Director, Eastern Regional Institute for Education, Syracuse, NY
 1971-pres. University of Kentucky, Educ. Psych. Assoc. Prof. 71-74, Prof. 75-04, Emeritus, 04 - present
 1984 -1997 Head, Behavioral Research Aspects of Safety & Health (BRASH) Working Group, Univ. of KY
 1988-89 Research Psychologist, Mining Systems & Human Engineering, US Bureau of Mines, Pittsburgh, PA
 1990- pres. Professor, Department of Preventive Medicine & Environmental Health, University of Kentucky

Other Experience and Professional Memberships

1998 – 2001 - CDC/NIOSH research project peer reviewer and ERC evaluation team member
 1999 – Pres. - Member of editorial board, *Journal of Agricultural Safety and Health*
 Member American Educational Research Association
 Lifetime Member of the American Psychological Association (Lifetime status awarded 01/15/2003)
 Member American Public Health Association
 Member American Society of Agricultural Engineers
 Member National Institute for Farm Safety

Honors (National)

1981 *Journal of Allied Health* Distinguished Author Award, American Society of Allied Health Professions
 1985 Best Paper Award, Continuing Professional Development Division, American Society of Engineering Education
 1987 Best Paper Award, Society of Mining Engineers, Third Mine Ventilation Symposium, The Pennsylvania State University
 1988 Publication of the Year Award (for best publication in an external journal or conference record) US Bureau of Mines, Pittsburgh Research Center.
 1988-89 Awarded an Oak Ridge Associated Universities and US Bureau of Mines senior researcher fellowship (13 months duration)
 1990 Research Technology Transfer Person of the Year Award, for excellence and significant achievement in

Principal Investigator/Program Director (Last, first, middle): Cole, Henry P.

the area of safety training technology, US Bureau of Mines

- 1990-91 Who' Who in the Safety Profession
- 1993 Nominee for the National Institute of Occupational Safety and Health, *Alice Hamilton Science Award for Occupational Safety and Health* for leadership and excellence in science
- 1993 Appointed as a United Nations, International Labor Organization, Expert in Behavioral Safety and Occupational Injury Prevention (duty assignment in the People's Republic of China)
- 2001 Candidate for the CDC/ATSDR for the *demonstrating excellence in science, Charles C. Shepard Science Award - Prevention and Control*
- 2001 *Translating Injury Surveillance Data into a Community-based Program to Reduce Farm Tractor Overturn Injuries*, one of 19 occupational safety and health research projects in the nation selected for presentation at the *National Occupational Research Agenda Symposium 2001: Leading Research in Occupational Safety and Health*, Washington, DC, June 27.

Honors (University of Kentucky)

- 1973 Outstanding Achievement Award, UK College of Education
- 1974 - 77 Excellence in Teaching and Advising Award, UK College of Education
- 1980 Outstanding Achievement in Research Award, UK College of Education
- 1984 Excellence in Research and Scholarship Award, UK College of Education
- 1996 Selected as a UK Research and Graduate Studies Unsung Heroes special recognition award
- 2000 Exceptional Achievement Award for Research, Teaching, and Service, UK, College of Education

B. Selected peer-reviewed publications (in chronological order). Do not include publications submitted or in preparation.

- Bryant, C. J., Cole, H. P., Umberger, G. H., Kwak, E., Ruch, W. E., & Colligan, M. J. (1992). Evaluative research and methods for the assessment of training effectiveness in occupational respiratory protection. *Scandinavian J of Work, Envir. & Hlt*, 18 (sup 2), 66-68.
- Cole, H. P., Lineberry, G. T., Wala, A. M., Haley, J. V., Berger, P. K., & Wasielewski, R. D. (1993). Simulation exercises for training and educating miners and mining engineers. *Mining Eng.*, 44,1397-1401.
- Cole, H. P. (1994). Embedded performance measures as teaching and assessment devices. *Occ. Med: State of the Art Reviews*, 9, 261-281.
- Passaro, P. D., Cole, H. P., & Wala, A. M. (1994). Flow distribution changes in complex circuits: Implications for mine explosions. *Human Factors*. 36, 745-756.
- McKnight, R. H., Piercy, L. R., Townley, K. F., Kidd, P. S. & Cole, H. P. (1995). Parents' concern for children's farm safety. *TX J of Rural Hlt*, 14, 10-19.
- McKnight, R.H., Donnelly, C., Cole, H.P., Ross, I.J. & Piercy, L.R. (1996). Collaborating with a medical school to assess occupational health and safety content in an engineering curriculum. *J. of Engineering Educ.*, 85, 339-341.
- Cole, H.P., Kidd, P.S., Isaacs, S.G., Parshall, M., & Scharf, T. (1997). Difficult decisions: A simulation that illustrates cost effectiveness of farm safety behaviors. *J. of Agromed*, 4, (1&2), 117-124.
- Kidd, P., Townley, K., Cole, H., McKnight, R., & Piercy, L. (1997). The process of chore teaching. Implications for farm youth injury. *Fam. Comm Hlt*, 19, 78-89.
- Cole, H.P., Vaught, C., Wiehagen, W.J., Haley, J.V., & Brnich, M.J. (1998). Decision-making during a simulated mine fire escape. *IEEE Tran Eng. Mgt*, 45,153-162.
- Scharf, T., Kidd, P., Cole, H., Bean, T., Chapman, L., Donham, K., & Baker, D. (1998). Intervention tools for farmers--Safe and productive work practices in a safer work environment. *JASH*,4, 193-203.
- Kidd, P., Isaacs, S., Cole, H., Parshall, M., Scharf, T., & Struttmann, T. (1998). An economic motivator for safe farming: Changing perceptions through learning. *JASH*, 4, 205-212.
- Britt, M., Chrislip, D., Bayer, S., Cole, H.P., Kidd, P., Parshall, M., Isaacs, S., Struttmann, T., Colligan, M., & Scharf, T. (1999). Farm work planning simulation in multi-media: A comparative evaluation. *Am. J Ind.Med.* Supplement 1. pp. 113-115.
- Cole, H.P., Westneat, S.C., Browning, S.R., Piercy, L.R., Struttmann, T.W. (2000) Sex Differences in Principal Farm Operators' Tractor Driving Safety Beliefs and Behaviors.*JAMWA*, 55 ,93-95.
- Cole, H.P. (2000). Knowledge is not enough. *JASH*, 6, 245-247.
- Struttmann, T.W., Brandt V.A., Morgan S.E., Piercy L.R., & Cole H.P. (2001) Equipment dealers' perceptions of a community based ROPS campaign. *J. of Rural Hlt*, 17, 131-140.
- Brandt, V.A., Struttmann, T.W., Cole, H.P.,& Piercy L.R. (2001) Delivering health and safety education messages for part-time farmers through local businesses and employers. *J. of Agromed*, 7, 23-30.

CDC/NIOSH

Evaluation of Farm Safety Day Camps

The major goal of this project is to evaluate Farm Safety Day Camps for middle school children in six states.

Referred Technical Papers and Proceedings

- Cole, H.P., P.S. Kidd, S.G. Isaacs, M. Parshall & T. Scharf. (1996). Empowering farm families to manage labor and finances to reduce injury events. *Proceedings of the National Institute for Farm Safety*, Technical Paper No. 96-T01, Columbia, Missouri.
- Cole, H.P., R.H. McKnight & G.C. Rodgers. (1996). Training health care providers to diagnose, treat, and prevent green tobacco sickness. *Proceedings of the National Institute for Farm Safety*, Technical Paper No. 96-T02, Columbia, Missouri.
- Cole, H., Lindberg, J., Struttman, T., Brandt, V., Muehlbauer, J., Piercy, L., Perera, R., Scheerer, A. (1999). How and why Kentucky farmers retrofit their tractors with ROPS. *Proceedings of the National Institute for Farm Safety*, Technical Paper No. 99-17, Columbia, Missouri.
- Cole, H., Mazur, J. Kidd, P., Scharf, T., Westneast, S. Phillips, S., Bayer, S. Colligan, M., Chrislip, D. & Elliot, P. 2002. Evaluation of paper and pencil and CD-ROM versions of a farm safety and economics simulation exercise. *Proceedings of the National Institute for Farm Safety*, Technical Paper #6. Columbia, Missouri.
- Cole, H.P. Integration of psychology and injury epidemiology to improve farm safety instruction: Theory, methods, examples and outcomes. (2003). *Proceedings of the National Institute for Farm Safety*, Technical Paper No. 03-T1, St. Joseph, Michigan.
- Cole, H.P., Westneat, S.C. & Myers, M.L. (2004 June). Frequency and severity of operator injuries during overturns of farm tractors without ROPS. Technical Paper No. 04-02, *Proceedings of the National Institute for Farm Safety Summer Conference*. Madison, Wisconsin.

Recent Referred Presentations

- Mazur, J. Cole, H., Hibbard, D., Treece, S. & Drury, L. (2002). *Extending economics beyond the classroom in rural schools: Integrating public health and safety materials into social studies classrooms in four Kentucky districts*. Paper presented at the 2002 Annual Conference of the Kentucky Council for the Social Studies, Louisville, KY, September 26 – 27.
- Cole, H.P & Mazur, J. (2002). *The economics of farm injury cases as relevant to community health issues and social studies instruction*. Paper presented at the 2002 Annual Conference of the Kentucky Council for the Social Studies, Louisville, KY, September 26 – 27.
- Cole, H., Piercy, L., Struttman, T., & Westneat, S. (2002). *Improving farmers' self-protective behavior with a narrative-based tractor safety community education program*. Paper presented at the 6th International Conference Scientific Committee on Education and Training in Occupational Health: Best Practices in Occupational Safety and Health, Education, Training, and Communication. Baltimore, MD, October 28 – 30.
- Mazur, J.M., Cole, H.P. et al. (2002). *Integrating farm safety information into social studies*. Paper presented at the 6th International Conference Scientific Committee on Education and Training in Occupational Health: Best Practices in Occupational Safety and Health, Education, Training, and Communication. Baltimore, MD, October 28 – 30.
- Scharf, T., Kidd, P., Cole, H., Mazur, J., et al. (2002). *Evaluating a farm safety training program with rural high school students*. Paper presented at the 6th International Conference Scientific Committee on Education and Training in Occupational Health: Best Practices in Occupational Safety and Health, Education, Training, and Communication. Baltimore, MD, October 28 – 30.
- Cole, H., Mazur, J, McCrary, N., Wagner, K. (2002). *Narrative forms of instruction: Implications for researching and designing the use of story in multiple learning contexts*. Paper presented at the Association for Educational Communication and Technology International Convention, Dallas, TX, November 12 – 16, 2002.
- Cole, H.P. (2003). *Using interactive narrative to teach and assess critical health and safety skills*. Technical paper presented at and submitted for inclusion in proceedings of Association for Educational Communication and Technology International Convention, Dallas, TX, November 12 – 16, 2002.

- Mazur, J. & Cole, H. (2003). *Integration of community-relevant public health materials into required public school curricula: A report from the field*. Invited paper presentation in the CDC/NIOSH Envision Seminar Series, Alice Hamilton Laboratory, Cincinnati, OH, January 31.
- Cole, H., Piercy, L., Struttmann, T., Brandt, V., Muehlbauer, J., Westneat, S., Morgan, S., & Mazur, J. (2003). *The Kentucky ROPS Project: A community trials farm tractor safety intervention to reduce overturn injuries*. Invited paper presentation in the CDC/NIOSH Envision Seminar Series, Alice Hamilton Laboratory, Cincinnati, OH, January 31.
- Cole, H.P. (2003). *Narrative approaches to health and safety intervention research*. Invited paper presentation in the CDC/NIOSH Envision Seminar Series, Alice Hamilton Laboratory, Cincinnati, OH, January 31.
- Cole, H., McKnight, R., Piercy, L., Struttmann, T., Brandt, V., Muehlbauer, J., Westneat, S., Kidd, P., Mazur, J., Morgan, S., Ehlers, J., Palermo, T., Scharf, T., Colligan, M., Lindberg, J., Perera, R., Phillips, S. et al. (2003). *Farmers' perceptions of ROPS and tractor safety: Studies, stories, and statistics*. Invited paper presented at the NIOSH Agricultural Center Tractor-related injury and death workshop, Pittsburgh, PA, February, 18. (Published in the meeting proceedings.)
- Cole, H., Mazur, J., Kidd, P., Scharf, T., Westneat, S., Phillips, S., Bayer, S., Colligan, M., Chrislip, S. & Elliot, P. (2003). *High school social studies students as farm safety advocates*. Paper presented at the Work Stress and Health: New Challenges in a Changing Workplace. Conference, The Fifth Interdisciplinary Conference on Occupational Safety and Health March, Toronto, Canada, March 20 –22. (Sponsored by APA, NIOSH and Queen's University School of Business)
- Cole, H.P. (2003). *Applications of narrative psychology and injury epidemiology to prevent occupational injuries*. Invited keynote address to the Fifth International Symposium, Future of Rural Peoples, Saskatoon, sponsored by Institute of Agricultural Rural and Environmental Health, Saskatchewan, Canada, October 19 – 23.
- Mazur, J.M. & Cole, H.P. (2003). *An evaluation of instructional practices at Farm Safety Just 4 Kids Safety Day Camps*. Paper presented at the Fifth International Symposium, Future of Rural Peoples, Saskatoon, sponsored by Institute of Agricultural Rural and Environmental Health, Saskatchewan, Canada, October 19 – 23.
- Myers, M.L., Cole, H.P., & Westneat, S.C. *Cost-effectiveness of a dealer's ROPS retrofit program*. Paper presented at the National Occupational Injury Research Symposium, Pittsburgh, PA. October 28, 2003.
- Cole, H.P. (2003). *Work in dynamic and hazardous environments: Where does the potential for intelligent performance reside and how is it acquired?* Paper presented at the National Occupational Injury Research Symposium, Pittsburgh, PA. October 28, 2003.
- Cole, H.P. (2003). *Effectiveness of narrative approaches to occupational injury prevention interventions*. Paper presented at the National Occupational Injury Research Symposium, Pittsburgh, PA. October 28, 2003.
- Cole, H.P. (2004). *Epidemiology, embedded testing and multi-measure multi-method approaches to measuring outcomes and impact of community safety education materials and programs*, Invited paper presented at the NIOSH Great Lakes Center for Agricultural Safety and Health, Improving Agricultural Health and Safety Programs Through Evaluation: Rigorous and Practical Strategies. The Ohio State University, Columbus, OH, March 15 – 16.
- Cole, H., Westneat, S., & Myers, M. (2004). *Frequency and severity of operator injuries during farm tractor overturns*. Paper presented at the University of Louisville Trauma Institute, symposium series, University of Louisville, KY, October 20.
- Cole, H., Westneat, S., & Myers, M. (2004). *Frequency and severity of operator injuries during farm tractor overturns*. Paper presented at the Inaugural Research Symposium, Keeping Pace with the Future. University of Kentucky College of Public Health, Lexington, KY, October 25.