

William Revelle  
Department of Psychology  
Northwestern University  
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## Education

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**University of Michigan, Department of Psychology** 1968-1973  
Rackham Prize Fellow, 1970-1972  
Ph.D. in Psychology received December, 1973  
**Pomona College: 1961-1965** B.A. in Psychology received June, 1965

## Employment

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### **Northwestern University**

Chairman, Department of Psychology 1987–1993, 1998–2001  
Professor of Psychology 1984 - present  
Associate Professor of Psychology 1979 - 1984  
Assistant Professor of Psychology 1973 - 1979

### **University of Michigan**

Teaching Assistant, 1972-1973  
Research Assistant, 1968-1970

**United States Peace Corps Volunteer** Sarawak, Malaysia 1965-1967

## Professional Interests

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Psychometric theory and applications  
Personality theory and human motivation  
The effects of personality, motivational, and situational variables on cognitive processes  
Biological bases of affect, personality and behavior

## Honors and Awards

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President, International Society for the Study of Individual Differences 2005-2009

President, Association for Research in Personality 2007-2009

President, Society of Multivariate Experimental Psychology, 1984-1985

Chairman, Governing Board, Bulletin of Atomic Scientists, 2009 - 2012

Board member, Bulletin of Atomic Scientists, 2007 - present

Fellow, American Association for the Advancement of Science, 1996-present

Fellow, Association for Psychological Science, 1994-present

Fellow, American Psychological Association, (Division 5) 2011-present

Board of Trustees, Federation of American Scientists Educational Fund, 1993-2001

Director, International Society for the Study of Individual Differences, 1989-1995 and 2003-2011

National Institute of Mental Health Initial Review Group (Cognition, Emotion and Personality) 1986-June, 1990.

Fogarty Senior International Fellow (academic year spent with Donald Broadbent and Jeffrey Gray at Oxford Univ.) 1981-1982

## Major publications

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1. Revelle, W., Amaral, P., and Turriff, S. (1976). Introversiion-extraversiion, time stress, and caffeine: effect on verbal performance. *Science*, 192:149-150
2. Revelle, W. and Michaels, E. J. (1976). Theory of achievement-motivation revisited - implications of inertial tendencies. *Psychological Review*, 83(5):394-404
3. Revelle, W. (1979). Hierarchical cluster-analysis and the internal structure of tests. *Multivariate Behavioral Research*, 14(1):57-74
4. Revelle, W., Humphreys, M. S., Simon, L., and Gilliland, K. (1980). Interactive effect of personality, time of day, and caffeine: A test of the arousal model. *Journal of Experimental Psychology General*, 109(1):1-31
5. Humphreys, M. S. and Revelle, W. (1984). Personality, motivation, and performance: A theory of the relationship between individual dif-

- ferences and information processing. *Psychological Review*, 91(2):153–184
6. Revelle, W. (1993). Individual differences in personality and motivation: ‘non-cognitive’ determinants of cognitive performance. In Baddeley, A. and Weiskrantz, L., editors, *Attention: Selection, awareness and control: A tribute to Donald Broadbent*, pages 346–373. Oxford University Press, Oxford, England
  7. Revelle, W. (1995). Personality processes. *Annual Review of Psychology*, 46:295–328
  8. Wilt, J. and Revelle, W. (2009). Extraversion. In Leary, M. R. and Hoyle, R. H., editors, *Handbook of Individual Differences in Social Behavior*, chapter 3, pages 27–45. Guilford Press
  9. Revelle, W. and Zinbarg, R. E. (2009). Coefficients alpha, beta, omega and the glb: comments on Sijtsma. *Psychometrika*, 74(1):145–154
  10. Condon, D. M. and Revelle, W. (2014). The International Cognitive Ability Resource: Development and initial validation of a public-domain measure. *Intelligence*, 43:52–64

## Research Support

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- (PI) Revelle, W. The International Cognitive Ability Resource. NSF SMA-1419324. 4/1/14-3/31/16.
- (Sponsor) PI: Wilt, Joshua: National Research Service Award for predoctoral training. 1 F31 MH093041-01 (1/01/11-6/30/12)
- Co-I (Michael Wolf, PI): LITCOG II: Health Literacy and Cognitive Function among Older Adults. NIH/NIA 2 R01 AG30611-04 (2007-2016)
- (Co-PD/PI). Federman, Alex (PI): Seniors’ health literacy, beliefs and asthma self-management NIA. (9/15/09-6/30/11).
- Co-PI (with Eva Hudlicka) Methodology and Models of Individual Differences, Psychometrix STTR contract from US. Army Research Institute. 1999
- PI: DOD ASSERT grant Personality, Motivation and Cognitive Performance 1996-1999.
- Co-PI (With Kristen J. Anderson) on US. Army Research Institute contract: Personality, Motivation and Cognitive Performance. MDA903-93-K-0008 (9/1/93- 8/31/97). MDA903-90-C-0108 (7/25/90- 3/31/93).

Principal investigator for NIMH grant R01-MH-29209 titled Personality, Motivation, and Performance. 1/1/81 to 6/30/84.

Fogarty senior international fellowship for partial support of sabbatical year at Department of Experimental Psychology, University of Oxford, 1981-1982.

Co-PI (With Michael Humphreys) for NIMH grant R01-MH-29209 titled Stress: individual differences and memory. 1/1/78-12/31/80.

## Articles

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71. Kendall, A. D., Zinbarg, R. E., Bobova, L., Mineka, S., Revelle, W., Prenoveau, J., and Craske, M. G. (2014b). Measuring positive emotion with the mood and anxiety symptom questionnaire: Psychometric properties of the anhedonic depression scale. *Assessment (in press)*
70. Smillie, L. D., Wilt, J., Kabbani, R., Garratt, C., and Revelle, W. (2014). Quality of social experience explains the relation between extraversion and positive affect. *Emotion*, (in press)
69. Curtis, L., Revelle, W., Waite, K. R., Wilson, E. A. H., Condon, D., Bojarski, E., Park, D. C., Baker, D., and Wolf, M. (2014). Development and validation of the comprehensive health activities scale: A new approach to health literacy measurement. *Journal of Health Communication*
68. Revelle, W. and Condon, D. M. (2014a). A model for personality at three levels. *Journal of Research in Personality (in press)*
67. Kendall, A. D., Wilt, J., Walls, C. E., Scherer, E. A., Beardslee, W. R., Revelle, W., and Shrier, L. A. (2014a). The social context of positive and negative affective states in depressed youth. *Journal of Social and Clinical Psychology*, 33(9):805–830
66. Skogsbert, K., Grabowecky, M., Wilt, J., Revelle, W., Iordanescu, L., and Suzuki, S. (2014). A relational structure of voluntary visual-attention abilities. *Journal of Experimental Psychology: Human Perception and Performance (in press)*
65. Condon, D. M. and Revelle, W. (2014). The International Cognitive Ability Resource: Development and initial validation of a public-domain measure. *Intelligence*, 43:52–64

64. Hauner, K. K., Zinbarg, R., and Revelle, W. (2014). A latent variable model approach to estimating systematic bias in the oversampling method. *Behavior Research Methods*, 46(3):786–797
63. Revelle, W. and Wilt, J. (2013). The general factor of personality: A general critique. *Journal of Research in Personality*, 47(5):493–504
62. Smillie, L. D., Geaney, J., Wilt, J., Cooper, A. J., and Revelle, W. (2013). Aspects of extraversion are unrelated to pleasant affective reactivity: Further examination of the affective reactivity hypothesis. *Journal of Research in Personality*, 47(5):580–587
61. Wilson, S., Revelle, W., Stroud, C. B., and Durbin, C. E. (2013). A confirmatory bifactor analysis of the inventory of interpersonal problems-circumplex and associations of interpersonal traits across multiple relationship contexts and measures. *Psychological Assessment*, 25(2):353–365
60. Wolf, M. S., Curtis, L. M., Wilson, E. A. H., Revelle, W., Waite, K. R., Smith, S. G., Weintraub, S., Borosh, B., Rapp, D. N., Park, D. C., Deary, I. C., and Baker, D. W. (2012). Literacy, cognitive function, and health: results of the LitCog study. *Journal of general internal medicine*, 27(10):1300–7
59. Smillie, L. D., Cooper, A., Wilt, J., and Revelle, W. (2012). Do extraverts get more bang for the buck? refining the affective-reactivity hypothesis of extraversion. *Journal of Personality and Social Psychology*, 103(2):306–326
58. Wilt, J., Condon, D. M., Brown-Riddell, A., and Revelle, W. (2012). Fundamental questions in personality. *European Journal of Personality*, 26(6):629–631
57. Condon, D. M., Brown-Riddell, A., Wilt, J., and Revelle, W. (2012). Scale issues in casuality. *European Journal of Personality*, 26:393–395
56. Swarat, S., Ortony, A., and Revelle, W. (2012). Activity matters: Understanding student interest in school science. *Journal of Research in Science Teaching*, 49(4):515–537
55. Oehlberg, K. A., Revelle, W., and Mineka, S. (2012). Time-course of attention to negative stimuli: Negative affectivity, anxiety, or dysphoria. *Emotion*, 12(5):943–959

54. Schalet, B., Durbin, E., and Revelle, W. (2011). Multidimensional structure of the hypomanic personality scale. *Psychological Assessment*, 23(2):504–522
53. Wilt, J., Oehlberg, K., and Revelle, W. (2011c). Anxiety in personality. *Personality and Individual Differences*, 50(7):987–993
52. Wilt, J., Funkhouser, K., and Revelle, W. (2011b). The dynamic relationships of affective synchrony to perceptions of situations. *Journal of Research in Personality*, 45:309–321
51. Revelle, W., Wilt, J., and Condon, D. (2010a). Levels of personality—discussion on ‘automatic and controlled processes in behavioural control: Implications for personality psychology’ by Corr. *European Journal of Personality*, 24(5):420–422
50. Revelle, W. and Zinbarg, R. E. (2009). Coefficients alpha, beta, omega and the glb: comments on Sijtsma. *Psychometrika*, 74(1):145–154
49. Revelle, W. (2009). Personality structure and measurement: the contributions of Raymond Cattell. *British Journal of Psychology*, 100:253–257
48. Evans, A. M. and Revelle, W. (2008). Survey and behavioral measurements of interpersonal trust. *Journal of Research in Personality*, 42(6):1585–1593
47. Revelle, W. and Wilt, J. (2008). Personality is more than reinforcement sensitivity. *European Journal of Personality*, 22(5):407–409
46. Revelle, W. and Oehlberg, K. (2008). Integrating experimental and observational personality research – the contributions of Hans Eysenck. *Journal of Personality*, 76(6):1387–1414
45. Revelle, W. (2008d). The Association for Research in Personality: the home for psychological generalists. *P (newsletter of the Association for Research in Personality)*, 2(1-5)
44. Rafaeli, E., Rogers, G. M., and Revelle, W. (2007). Affective synchrony: Individual differences in mixed emotions. *Personality and Social Psychology Bulletin*, 33(7):915–932
43. Zinbarg, R. E., Revelle, W., and Yovel, I. (2007). Estimating  $\omega_h$  for structures containing two group factors: Perils and prospects. *Applied Psychological Measurement*, 31(2):135–157

42. Rafaeli, E. and Revelle, W. (2006). A premature consensus: Are happiness and sadness truly opposite affects? *Motivation and Emotion*, 30(1):1–12
41. Zinbarg, R. E., Yovel, I., Revelle, W., and McDonald, R. P. (2006). Estimating generalizability to a latent variable common to all of a scale's indicators: A comparison of estimators for  $\omega_h$ . *Applied Psychological Measurement*, 30(2):121–144
40. Yovel, I., Revelle, W., and Mineka, S. (2005). Who sees trees before forest? The obsessive-compulsive style of visual attention. *Psychological Science*, 16(2):123–129
39. Zinbarg, R. E., Revelle, W., Yovel, I., and Li, W. (2005). Cronbach's  $\alpha$ , Revelle's  $\beta$ , and McDonald's  $\omega_H$ : Their relations with each other and two alternative conceptualizations of reliability. *Psychometrika*, 70(1):123–133
38. Acton, G. S. and Revelle, W. (2004). Evaluation of ten psychometric criteria for circumplex structure. *Methods of Psychological Research*, 9(1):1–27
37. Baehr, E. K., Eastman, C. I., Revelle, W., Olson, S. H. L., Wolfe, L. F., and Zee, P. C. (2003). Circadian phase-shifting effects of nocturnal exercise in older compared with young adults. *American Journal of Physiology- Regulatory, Integrative and Comparative Physiology*, 284(6):R1542–50
36. Acton, G. S. and Revelle, W. (2002). Interpersonal personality measures show circumplex structure based on new psychometric criteria. *Journal of Personality Assessment*, 79(3):446–471
35. Born, W. K., Revelle, W., and Pinto, L. H. (2002). Improving biology performance with workshop groups. *Journal of Science Education and Technology*, 11(4):347–365
34. Dawood, K., Pillard, R. C., Horvath, C., Revelle, W., and Bailey, J. M. (2000). Familial aspects of male homosexuality. *Archives of Sexual Behavior*, 29(2):155–163
33. Gilboa-Schechtman, E., Revelle, W., and Gotlib, I. H. (2000). Stroop interference following mood induction: Emotionality, mood congruence and concern relevance. *Cognitive Therapy and Research*, 24(5):491–502

32. Baehr, E. K., Revelle, W., and Eastman, C. I. (2000). Individual differences in the phase and amplitude of the human circadian temperature rhythm: with an emphasis on morningness-eveningness. *Journal of Sleep Research*, 9(2):117–127
31. Rafaeli-Mor, E., Gotlib, I. H., and Revelle, W. (1999). The meaning and measurement of self-complexity. *Personality and Individual Differences*, 27(2):341–356
30. Rogers, G. M. and Revelle, W. (1998). Personality, mood, and the evaluation of affective and neutral word pairs. *Journal of Personality and Social Psychology*, 74(6):1592–1605
29. Revelle, W. (1995). Personality processes. *Annual Review of Psychology*, 46:295–328
28. Anderson, K. J. and Revelle, W. (1994). Impulsivity and time of day: Is rate of change in arousal a function of impulsivity? *Journal of Personality and Social Psychology*, 67(2):334–344
27. Bailey, J. and Revelle, W. (1991). Increased heritability for lower IQ levels? *Behavior genetics*, 21(4):397–404
26. Revelle, W. and Loftus, D. A. (1990). Individual-differences and arousal - implications for the study of mood and memory. *Cognition and Emotion*, 4(3):209–237
25. Anderson, K. J., Revelle, W., and Lynch, M. J. (1989). Caffeine, impulsivity, and memory scanning: A comparison of two explanations for the Yerkes-Dodson Effect. *Motivation and Emotion*, 13(1):1–20
24. Zinbarg, R. E. and Revelle, W. (1989). Personality and conditioning: A test of four models. *Journal of Personality and Social Psychology*, 57(2):301–314
23. Revelle, W. (1987). Personality and motivation: Sources of inefficiency in cognitive performance. *Journal of Research in Personality*, 21(4):436 – 452
22. Klirs, E. G. and Revelle, W. (1986). Predicting variability from perceived situational similarity. *Journal of Research in Personality*, 20(1):34–50



21. Onken, J., Hastie, R., and Revelle, W. (1985). Individual differences in the use of simplification strategies in a complex decision-making task. *Journal of Experimental Psychology: Human Perception and Performance*, 11(1):14–27
20. Leon, M. R. and Revelle, W. (1985). Effects of anxiety on analogical reasoning: A test of three theoretical models. *Journal of Personality and Social Psychology*, 49(5):1302–1315
19. Humphreys, M. S. and Revelle, W. (1984). Personality, motivation, and performance: A theory of the relationship between individual differences and information processing. *Psychological Review*, 91(2):153–184
18. Romer, D. and Revelle, W. (1984). Personality traits: Fact or fiction? a critique of the Shweder and D'Andrade systematic distortion hypothesis. *Journal of Personality and Social Psychology*, 47(5):1028–1042
17. Bowyer, P., Humphreys, M., and Revelle, W. (1983). Arousal and recognition memory: The effects of impulsivity, caffeine and time on task. *Personality and Individual Differences*, 4(1):41–49
16. Revelle, W. (1983). Factors are fictions, and other comments on individuality theory. *Journal of Personality*, 51(4):707–714
15. Anderson, K. J. and Revelle, W. (1983). The interactive effects of caffeine, impulsivity and task demands on a visual search task. *Personality and Individual Differences*, 4(2):127–134
14. Anderson, K. J. and Revelle, W. (1982). Impulsivity, caffeine, and proofreading: A test of the Easterbrook hypothesis. *Journal of Experimental Psychology: Human Perception and Performance*, 8(4):614–624
13. Rocklin, T. and Revelle, W. (1981). The measurement of extraversion: A comparison of the Eysenck Personality Inventory and the Eysenck Personality Questionnaire. *British Journal of Social Psychology*, 20(4):279–284
12. Lessing, E. E., Williams, V., and Revelle, W. (1981). Parallel forms of the IJR Behavior Checklist for parents, teachers, and clinicians. *Journal of Consulting and Clinical Psychology*, 49(1):34 – 50

11. Humphreys, M., Revelle, W., Simon, L., and Gilliland, K. (1980). Individual differences in diurnal rhythms and multiple activation states: A reply to M.W. Eysenck and Folkard. *Journal of Experimental Psychology: General*, 109(1):42–48
10. Revelle, W., Humphreys, M. S., Simon, L., and Gilliland, K. (1980). Interactive effect of personality, time of day, and caffeine: A test of the arousal model. *Journal of Experimental Psychology General*, 109(1):1–31
9. Craig, M., Humphreys, M., Rocklin, T., and Revelle, W. (1979). Impulsivity, neuroticism, and caffeine: Do they have additive effects on arousal?. *Journal of Research in Personality*, 13(4):404–419
8. Revelle, W. and Rocklin, T. (1979). Very Simple Structure - alternative procedure for estimating the optimal number of interpretable factors. *Multivariate Behavioral Research*, 14(4):403–414
7. Revelle, W. (1979). Hierarchical cluster-analysis and the internal structure of tests. *Multivariate Behavioral Research*, 14(1):57–74
6. Hanback, J. and Revelle, W. (1978). Arousal and perceptual sensitivity in hypochondriacs. *Journal of Abnormal Psychology*, 87(5):523–530
5. Revelle, W. (1978). ICLUST: A cluster analytic approach to exploratory and confirmatory scale construction. *Behavior Research Methods and Instrumentation*, 10(5):739–742
4. Revelle, W., Amaral, P., and Turriff, S. (1976). Introversion-extraversion, time stress, and caffeine: effect on verbal performance. *Science*, 192:149–150
3. Revelle, W. and Michaels, E. J. (1976). Theory of achievement-motivation revisited - implications of inertial tendencies. *Psychological Review*, 83(5):394–404
2. Gray, D. B. and Revelle, W. (1974). A multidimensional religious attitude inventory related to multiple measures of race. *The Journal of Social Psychology*, 92(1):153 – 154
1. Gray, D. B. and Revelle, W. (1972). A cluster analytic critique of the Multifactor Racial Attitude Inventory. *The Psychological Record*, 22(1):103 – 112

## Chapters

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34. Wilt, J. and Revelle, W. (2014). Extraversion. In Widiger, T., editor, *The Oxford Handbook of the Five Factor Model*. Oxford University Press (in press), New York, N.Y
33. Revelle, W. (2014e). Raymond Cattell. In Cautin, R. and Lilienfeld, S., editors, *The Encyclopedia of Clinical Psychology*. Wiley-Blackwell (in press)
32. Revelle, W. (2014c). Hans J. Eysenck. In Cautin, R. and Lilienfeld, S., editors, *The Encyclopedia of Clinical Psychology*. Wiley-Blackwell (in press)
31. Revelle, W. (2014b). Francis Galton. In Cautin, R. and Lilienfeld, S., editors, *The Encyclopedia of Clinical Psychology*. Wiley-Blackwell (in press)
30. Revelle, W. (2014a). Charles Spearman. In Cautin, R. and Lilienfeld, S., editors, *The Encyclopedia of Clinical Psychology*. Wiley-Blackwell (in press)
29. Revelle, W. and Condon, D. M. (2014b). Reliability. In Irwing, P., Booth, T., and Hughes, D., editors, *Wiley-Blackwell Handbook of Psychometric Testing*. Wiley-Blackwell (in press)
28. Revelle, W. (2012). Integrating personality, cognition and emotion: Putting the dots together? In Eysenck, M. W., Fajkowska, M., and Maruszewski, T., editors, *Personality, cognition and emotion. Warsaw Lectures in Personality and Social Psychology*, chapter 9, pages 157–177. Eliot Werner Publications, New York
27. Revelle, W., Condon, D., and Wilt, J. (2012). Caffeine. In Ramachandran, V. S., editor, *Encyclopedia of Human Behavior, 2nd Edition.*, pages 423–429, Oxford. Elsevier
26. Wilt, J., Condon, D., and Revelle, W. (2011a). Telemetrics and online data collection: Collecting data at a distance. In Laursen, B., Little, T. D., and Card, N., editors, *Handbook of Developmental Research Methods*, chapter 10, pages 163–180. Guilford Press, New York

25. Revelle, W., Condon, D., and Wilt, J. (2011a). Methodological advances in differential psychology. In Chamorro-Premuzic, T., Furnham, A., and von Stumm, S., editors, *Handbook of Individual Differences*, chapter 2, pages 39–73. Wiley-Blackwell
24. Revelle, W., Wilt, J., and Condon, D. (2011b). Individual differences and differential psychology: A brief history and prospect. In Chamorro-Premuzic, T., Furnham, A., and von Stumm, S., editors, *Handbook of Individual Differences*, chapter 1, pages 3–38. Wiley-Blackwell, Oxford
23. Corr, P. J., Revelle, W., Wilt, J., and Rosenthal, A. (2010). General models of individual differences in cognition: the commentaries. In Gruszka, A., Matthews, G., and Szymura, B., editors, *Handbook of Individual Differences in Cognition: Attention, Memory and Executive Control*, chapter 4, pages 63–69. Springer
22. Revelle, W., Wilt, J., and Rosenthal, A. (2010b). Individual differences in cognition: New methods for examining the personality-cognition link. In Gruszka, A., Matthews, G., and Szymura, B., editors, *Handbook of Individual Differences in Cognition: Attention, Memory and Executive Control*, chapter 2, pages 27–49. Springer, New York, N.Y
21. Wilt, J. and Revelle, W. (2009). Extraversion. In Leary, M. R. and Hoyle, R. H., editors, *Handbook of Individual Differences in Social Behavior*, chapter 3, pages 27–45. Guilford Press
20. Revelle, W. and Scherer, K. R. (2009). Personality and emotion. In Sander, D. and Scherer, K. R., editors, *The Oxford Companion to the Affective Sciences*, pages 304–305. Oxford University Press
19. Revelle, W. (2008c). The contribution of reinforcement sensitivity theory to personality theory. In Corr, P. J., editor, *The Reinforcement Sensitivity Theory of Personality*, chapter 18, pages 508–527. Cambridge University Press, Cambridge
18. Revelle, W. (2008a). Brief biography of Lewis Goldberg. In Leong, F., editor, *Encyclopedia of Counseling*. Sage
17. Revelle, W. (2008b). Brief biography of Paul Costa and R.R. McCrae. In Leong, F., editor, *Encyclopedia of Counseling*. Sage
16. Ortony, A., Revelle, W., and Zinbarg, R. (2007). Why emotional intelligence needs a fluid component. In Matthews, G., Zeidner, M., and

- Roberts, R. D., editors, *The science of emotional intelligence: Knowns and unknowns.*, pages 288–304. Oxford University Press, New York, NY
15. Revelle, W. (2007). Experimental approaches to the study of personality. In Robins, R., Fraley, R. C., and Krueger, R. F., editors, *Handbook of research methods in personality psychology.*, pages 37–61. Guilford, New York
  14. Ortony, A., Norman, D. A., and Revelle, W. (2005). Affect and proto-affect in effective functioning. In Fellous, J. and Arbib, M., editors, *Who Needs Emotions? The Brain Meets the Machine.*, pages 173–202. Oxford University Press, New York
  13. Revelle, W. (2000). Individual differences. In Kazdin, A. E., editor, *Encyclopedia of psychology, Vol. 4*, volume 4, pages 249 – 253. American Psychological Association
  12. Revelle, W. (1997). Extraversion and impulsivity: The lost dimension? In Nyborg, H., editor, *The scientific study of human nature: Tribute to Hans J. Eysenck at eighty*, pages 189–212. Pergamon/Elsevier Science Inc, Amsterdam, Netherlands
  11. Gilboa, E. and Revelle, W. (1994). Personality and the structure of affective responses. In van Goozen, S. H. M., Van de Poll, N. E., and Sergeant, J. A., editors, *Emotions: Essays on emotion theory*, pages 135–159. Lawrence Erlbaum Associates, Inc, Hillsdale, NJ, England
  10. Revelle, W. (1993). Individual differences in personality and motivation: ‘non-cognitive’ determinants of cognitive performance. In Baddeley, A. and Weiskrantz, L., editors, *Attention: Selection, awareness and control: A tribute to Donald Broadbent*, pages 346–373. Oxford University Press, Oxford, England
  9. Revelle, W. and Loftus, D. A. (1992). The implications of arousal effects for the study of affect and memory. In Christianson, S.-A., editor, *The handbook of emotion and memory: Research and theory*, pages 113–149. Lawrence Erlbaum Associates, Inc, Hillsdale, NJ, England
  8. Revelle, W. and Anderson, K. J. (1992). Models for the testing of theory. In Gale, A. and Eysenck, M., editors, *Handbook of Individual Differences: Biological Perspectives*. John Wiley and Sons, Chichester, England

7. Revelle, W. (1989). Personality, motivation, and cognitive performance. In Ackerman, P. R. and Cudeck, R., editors, *Learning and Individual Differences: Abilities, Motivation, and Methodology.*, pages 297–341. Erlbaum
6. Revelle, W., Anderson, K. J., and Humphreys, M. S. (1987). Empirical tests and theoretical extensions of arousal-based theories of personality. In Strelau, J. and Eysenck, H., editors, *Personality Dimensions and Arousal*, pages 17–36. Plenum, New York
5. Revelle, W. (1986). Motivation and efficiency of cognitive performance. In Brown, D. R. and Veroff, J., editors, *Frontiers of Motivational Psychology: Essays in honor of J. W. Atkinson*, chapter 7, pages 105–131. Springer, New York
4. Humphreys, M. S., Lynch, M. J., Revelle, W., and Hall, J. W. (1983). Individual differences in short-term memory. In Dillon, R. and Schmeck, R., editors, *Individual differences in cognition*. Academic Press., New York
3. McSweeney, A. J. and Revelle, W. (1981). The use of hierarchical cluster analysis as a method of organizing social indicator data. In *Proceedings of the second national conference on need assessments in health and human services*, Louisville, Kentucky. University of Louisville Press
2. Newcomb, T. M., Brown, D. R., Kulik, J. A., Reimer, D. J., and Revelle, W. (1971). The university of michigan’s residential college. In *The New Colleges: Towards an Appraisal*. American College Testing Program, Iowa City
1. Newcomb, T. M., Brown, D. R., Kulik, J. A., D. J. Reimer, D., and Revelle, W. (1970). Self selection and change. In Gaff, J., editor, *The Cluster College*. Jossey-Bass, San Francisco

## Computer programs and documentation

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The *psych* package, accompanying documentation and vignettes are available for download from the Comprehensive R Archive Network (CRAN) at <http://cran.r-project.org/>. *psych* is a general toolbox for psychometric and personality research.

12. Revelle, W. (2014d). *psych: Procedures for Personality and Psychological Research*. Northwestern University, Evanston, <http://cran.r-project.org/web/packages/psych/>. R package version 1.4.8
11. Revelle, W. (2014) Overview of the *psych* package (Vignette accompanying the *psych* package). <http://personality-project.org/r/book/overview.pdf>
10. Revelle, W. (2014) Using *psych* as a front end for *sem* (Vignette accompanying the *psych* package). [http://personality-project.org/r/book/psych\\_for\\_sem.pdf](http://personality-project.org/r/book/psych_for_sem.pdf)
9. Revelle, W. (2011) Overview of the *psych* package (Vignette accompanying the *psych* package). <http://personality-project.org/r/book/overview.pdf>
8. Revelle, W. (2011) Using *psych* as a front end for *sem* (Vignette accompanying the *psych* package). [http://personality-project.org/r/book/psych\\_for\\_sem.pdf](http://personality-project.org/r/book/psych_for_sem.pdf)
7. Revelle, W. (2010). *psych: Procedures for Personality and Psychological Research*. Northwestern University, Evanston, 1.0-92 edition. R package version 1.0-92
6. Revelle, W. (2008) Using R for psychological research: A simple guide to an elegant package. (see <http://personality-project.org/r>)
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4. Revelle, W. (1990) ANATEST: Mac based geometric analogies program. Northwestern University, 1985-1990.
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## Website

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The Personality Project <http://personality-project.org> is a collection of essays about personality theory, measurement, and statistical methodology. Part of it is used to collect data using Synthetic Aperture Personality Assessment: <http://test.personality-project.org>. (See Revelle et al. (2010b), Revelle et al. (2011a) for details of this technique.)

## Book Reviews

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9. Strelau, J., Farley, F.H., and Gale, A. The Biological Bases of Personality and Behavior: Vol 1: Theories, measurement techniques, and development: Vol 2: Psychophysiology, performance, and application. Hemisphere: *Contemporary Psychology*, 1989.
8. Lowen, W. Dichotomies of the mind: a systems science model of the mind and personality. *Contemporary Psychology*, 1984, 29, 73-74.
7. Lynn, R. Dimensions of Personality: Essays in honour of H.J. Eysenck. *Personality and Individual Differences*, 1983, 4, 573-574.
6. Toates, F.M. & Halliday, T.R. Analysis of Motivational Processes. *Contemporary Psychology*, 1981, 27, 263-264.
5. Weiner, B. Human Motivation. *Contemporary Psychology*, 1980, 25, 972-973, (with T. Rocklin).
4. Mackie, R.R. Vigilance. *American Journal of Psychology*, 1978, 91, 550-552.
3. Buss, A. and Plomin, R. A temperament theory of personality development. *American Journal of Psychology*, 1976, 89, 391-392.
2. Everitt, B. Cluster Analysis; Hartigan, J.A. Clustering Algorithms. *American Journal of Psychology*, 1976, 89, 350-351.
1. Atkinson, J.W. and Raynor, J.O. Motivation and Achievement. *American Journal of Psychology*, 1975, 88, 140-148.



## Papers presented at conferences

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77. Condon, D. M. & Revelle, W. (2014, July). The many little items of "Big Five" measures: Hierarchy, complexity and predictive utility. Paper session at the 17th *European Conference on Personality*, Lausanne, Switzerland.
76. Condon, D. M. & Revelle, W. (2014, July). Cross-Domain Assessment of Individual Differences: The Unique Benefits of Public-Domain Measures. Symposia at the 17th *European Conference on Personality*, Lausanne, Switzerland.
75. Revelle, W. & Condon, D. M. (2014, July). Personality and ability: Assessing ability using the international cognitive ability resource (ICAR) Symposia at the 17th *European Conference on Personality*, Lausanne, Switzerland.
74. Elleman, L., Condon, D. M., French, J. A., & Revelle, W., (2014, February). Personality Change Beyond the Big Five: Personality Aspects, Vocational Interests and Cognitive Ability. Poster session presented at the 15th annual meeting of the *Society for Personality and Social Psychology*, Austin, TX.
73. William Revelle and Ashley Brown (2013) Standard errors for SAPA correlations. Presented at the Society of Multivariate Experimental Psychology, St. Petersburg, Florida. (October, 2013)
72. William Revelle (2013) Expanding Eysenck's toolbox: Beyond Correlational and Experimental Research. The Eysenck Prize Lecture, International Society for the Study of Individual Differences, Barcelona, July, 2013.
71. William Revelle and David Condon (2013) Personality at three levels of abstraction. Presented as part of a symposium "Toward Integrative Theories of Personality" Fajkowska, M. & DeYoung, C.G. organizers. International Society for the Study of Individual Differences, Barcelona, July, 2013.
70. Condon, D. M. & Revelle, W. (2013, July). The International Cognitive Ability Resource: The case for its broader use and collaborative development. Symposia at the biennial meeting of the International Society for the Study of Individual Differences, Barcelona, Spain.

69. Condon, D. M., & Revelle, W., (2013, June). Synthetic Aperture Personality Assessment: Within and across the dimensions of personality. Poster session presented at the biennial meeting of the Association for Research in Personality, Charlotte, NC.
68. Condon, D. M., French, J. A., Brown, A., & Revelle, W., (2013, June). Development and Validation of the International Cognitive Ability Resource. Poster session presented at the biennial meeting of the Association for Research in Personality, Charlotte, NC.
67. French, J. A., Condon, D. M., & Revelle, W., (2013, June). Predicting Scientific Attitudes Using Traits, Abilities and Interests. Poster session presented at the biennial meeting of the Association for Research in Personality, Charlotte, NC.
66. Brown, A., Condon, D. M., & Revelle, W., (2013, June). What Do We Know When We Know an IQ Score? Ability-by-Personality Interactions Predict Intelligence Test Performance and Item Response Styles. Poster session presented at the biennial meeting of the Association for Research in Personality, Charlotte, NC.
65. French, J. A., Condon, D. M., & Revelle, W., (2013, May). The Structure of Scientific Attitudes: Exploring the SAIII using Traits, Abilities and Interests. Poster session presented at the 25th annual convention of the Association for Psychological Sciences. Washington, DC.
64. David M. Condon and William Revelle (2012) The International Cognitive Ability Resources: Development and initial validation of a public-domain measure. Presented at the 13 annual meeting of the International Society for Intelligence Research, San Antonio, Texas, December, 2012. (presented by DMC).
63. William Revelle and David Condon (2012) Multilevel analysis of personality: Personality of college majors. Presented at the annual meeting of the Society of Multivariate Experimental Psychology. October, Vancouver, B.C.
62. William Revelle and David Condon (2012) Personality structure beyond the Big 5: Expanding the boundaries of personality research. Invited talk presented at the European Association of Personality Psychology "Experts Meeting". September, 2012, Dubrovnik, Croatia.

61. William Revelle and Joshua Wilt (2012) On when a factor is a general factor. Invited talk presented at the European Association of Personality Psychology “Experts Meeting”. September, 2012, Dubrovnik, Croatia.
60. William Revelle (2012) An introduction to R: A short course. Presented at the Association for Psychological Science annual meeting. Chicago. May, 2012.
59. William Revelle and David Condon (2012) Temperament, ability, and interests predict important real world choices. Part of a Symposium: Motivation as a basic personality process. Organized by Luke Smillie and Joshua Wilt. Annual meeting of the Society for the Study of Motivation, Chicago, May, 2012.
58. William Revelle, Joshua Wilt and David Condon (2011) Telemetrics: Measuring personality at a distance. A symposium at the Biennial Meeting of the International Society for the Study of Individual Differences, London. July, 2011.
57. William Revelle (2011) Individual differences beyond temperament: expanding the boundaries of personality. Invited keynote address presented to the British Society for the Psychology of Individual Differences. London, July, 2011.
56. William Revelle (2011) An introduction to R: A short course. Presented at the Association for Research in Personality biennial meeting. Riverside. June, 2011.
55. William Revelle (2011) An introduction to R: A short course. Presented at the Association for Psychological Science annual meeting. Washington, D.C. May, 2011.
54. William Revelle, David Condon and Joshua Wilt (2010) Personality is more than you think: Abilities, Temperament, Interests, and Character. Presented as part of a conference: Beyond Correlation in the Study of Personality: Associations, Investments and Interventions. University of Chicago. December, 2010
53. Revelle, W (2010) An introduction to R. A short course (part 2). Presented at the annual meeting of the *Society of Multivariate Experimental Psychology*, Atlanta, Georgia October, 2010

52. Revelle, W, and Wilt, J. (2010) A methodological critique of claims for a general factor of personality. Presented as part of a symposium: Mapping the Personality Sphere, Niels Waller (organizer), European Conference on Personality, Brno, Czech Republic, July, 2010
51. Fua, K., Revelle, W., and Ortony, A. (2010). Modeling personality and individual differences: the approach-avoid-conflict triad. In *CogSci 2010: The Annual meeting of the Cognitive Science Society, Portland, Or.*, pages 25–30
50. Fua, K., Horswill, I., Ortony, A., and Revelle, W. (2009). Reinforcement sensitivity theory and cognitive architectures. In *Biologically Informed Cognitive Architectures (BICA-09)*, Washington, D.C
49. Revelle, W (2009) An introduction to R. A short course. Presented at the annual meeting of the *Society of Multivariate Experimental Psychology*, Salishan, Oregon, October, 2009
48. Revelle, W and Wilt, J. (2009) Is there a general factor of personality? Probably not. Presented at the annual meeting of the *Society of Multivariate Experimental Psychology*, Salishan, Oregon, October, 2009.
47. Wilt, J., Funkhouser, K. and Revelle, W (2009) Individual Differences in Affective Experience are Related to Personality States and Perceptions of Situations. Presented at the biennial conference of the *International Society for the Study of Individual Differences*, Evanston, Illinois, July 2009.
46. Revelle, W. (2008) Commentary/discussion on the talks by Arne Ohman, Nico Frijda, Edward Necka, and then “take home message and summary of the conference”. Four talks given as part of the *Second Biennial Symposium on Personality and Social Psychology: Personality, Cognition and Emotion*. Warsaw, September 18-21, 2008.
45. Revelle, W. (2008) Measuring the situation. Paper presented as part of a symposium on the importance of the situation. (David Funder, organizer). *European Conference on Personality*, July, 2009. Tartu, Estonia.
44. Revelle, W. (2008) An introduction to psychometrics with applications in R. A short course (two day) presented at the *European Conference on Personality*, Tartu, Estonia. July, 2008.

43. Revelle, W. (2007) Personality and individual differences: the home for psychological generalists. Presidential address, *International Society for the Study of Individual Differences*, Giessen, Germany, July 2007.
42. Revelle, W (2006) Synthetic Aperture Personality Assessment: the first 60,000 subjects. Presented at the annual meeting of the *Society of Multivariate Experimental Psychology*, Lawrence, Kansas. October 19-21.
41. Revelle, W. (2006) Individual differences in Cognition: the Personality-Cognition link. Presented at a symposium "Individual differences in cognition" A symposium organized by Blazej Szymura and Edward Necka Cracow, Poland, September 15-17, 2006
40. Revelle, W. (2006) The ABCDs of Personality and the Problem of Categorization. Part of a Symposium: Categorization, Decision-Making and Personality (Luke Smillie & William Revelle, organizers) *European Conference of Personality*, Athens, 2006.
39. Revelle, W. (2006) Synthetic Aperture Personality Assessment. Invited paper at the *Midwestern Psychological Association Annual Meeting*, Chicago, May, 2006.
38. Revelle, W. (2005) R: Statistics for all of us. R An international statistical collaboratory. Part of the symposium on Multivariate Statistical Methods in Individual Differences Research *International Society for the Study of Individual Differences Biennial meeting*, Adelaide, July , 2005
37. Revelle, W. and Laun, G. (2004) Synthetic Aperture Personality Assessment. *Society for Multivariate Experimental* , Fort Meyers, Florida, October, 2004.
36. Revelle, W., Erin Hoese, E., Rogers G., & Eastman , C. Personality and Arousal: Evidence from multiple approaches. *International Society for the Study of Individual Differences*, Aarhus, Denmark, July, 1997.
35. Revelle, W. Personality: the temporal coherence of behavior. Invited address in honor of Hans Eysenck at the *Experimental Psychology Society (of the UK)* Oxford, March, 1997.
34. Born, W. and Revelle, W. (1997) Women, math, and stereotypes: What Helps and what Hurts *Midwestern Psychological Association*, April, 1997

33. Revelle, W. (1996) Personality as melody: the temporal coherence of behavior. Department of Psychology Colloquium, University of Michigan, March, 1996.
32. Born, W. and Revelle, W. *American Psychological Society*, June, 1996
31. Rogers, G. and Revelle, W. *American Psychological Association*, August, 1996
30. Acton, G. S., and Revelle, W. (1996) Paper presented at the *Midwestern Psychological Association* annual meeting, Chicago, May, 1996.
29. Revelle, W. and Anderson, Kris. (1996) Time of Day and Activation States: Interactions with Impulsivity and Neuroticism Paper presented at the *European Association of Personality Psychology*, July, Ghent, Belgium
28. Revelle, W. & Anderson, K. J. (1994, September) Personality, motivation, and cognition. Conference on Human Cognitive Abilities. University of Virginia, Charlottesville.
27. Revelle, W. (1993) Personality and affect. *International Society for the Study of Individual Differences*. Baltimore, Md. July, 1993.
26. Revelle, W. (1993) Personality, Motivation, and Cognitive Performance. In Process Review. Army Research Institute, Washington, D. C., February, 1993.
25. Nugent, Kathleen & Revelle, William. (1991) Memory biases in anxious and impulsive individuals following reward and punishment. Presented at the annual meeting of the *Midwestern Psychological Association*, May, 1991.
24. Revelle, William. (1991) Personality, motivation, and cognition: The effect of "non-cognitive" variables upon cognitive performance. Presented as part of a symposium: Motivation and Information Processing at the *Second European Congress of Psychology*. Budapest, Hungary, July 8-12, 1991
23. Revelle, William & Anderson, Kristen J. (1991) Impulsivity and information processing: the effect of non-cognitive variables upon cognitive performance. Presented at the 5th meeting of the *International Society for the Study of Individual Differences*, Oxford, England, July 22-26, 1991.

22. Revelle, William. (1991) The place of mood in a theory of personality and cognition: Comments on a symposium on the theoretical implications and practical applications of modern mood theory. Presented as part of a symposium: Theoretical implications and practical applications of modern mood theory at the 99th Annual Convention of the *American Psychological Association*, San Francisco, August 18, 1991.
21. Revelle, William (1991) Individual Differences in personality and motivation: 'Non-cognitive' determinants of cognitive performance. Presented as part of a symposium: Attention, selection, awareness and control: A tribute to Donald Broadbent. Department of Experimental Psychology, University of Oxford, September 18-20, 1991.
20. Revelle, W. Personality, Individual Differences, and the Psychological Spectrum. 4th meeting of the *International Society for the Study Individual Differences*, Heidelberg, June, 1989.
19. Revelle, William, Norton, Jennifer & Loftus, Debra. (1990). Effect of brief exercise on positive and negative affect: implication for the dimensionality of the PANAS. Presented at the annual meeting of the Society of *Multivariate Experimental Psychology*, October 25-27, 1990, Newport, Rhode Island.
18. Revelle, W. Levels of Analysis: The Place of Impulsivity and Anxiety in Trait Theories of Personality. Presented as part of a symposium on impulsivity 4th meeting of the *International Society for the Study Individual Differences*, Heidelberg, June, 1989.
17. Revelle, W. & Puchalski, M. Arousal and Memory: impulsivity, time of day, and retention interval. *Psychonomic Society Meeting*, Chicago, October, 1988.
16. Revelle, W. Personality and performance. Presented as part of a roundtable discussion on the current status of personality theory and research. (Participants: H. J. Eysenck, M. Zuckerman, E. Barratt, W. Revelle). 3rd meeting of the *International Society for the Study Individual Differences*, Toronto, June, 1987.
15. Zinbarg, R. and Revelle, W. Personality and conditionability: an empirical test of three models. Paper presented at the annual meeting of the *Midwestern Psychological Association*, Chicago, May, 1987.

14. Zinbarg, R. and Revelle, W. Personality and conditionability: an empirical test of three models. Paper presented at the 3rd meeting of the *International Society for the Study Individual Differences*, Toronto, June, 1987.
13. Revelle, W. Personality and motivation: sources of inefficiency in cognitive performance. Paper presented as part of a symposium: Current perspectives on anxiety and impulsivity. Washington, D.C. Annual meeting of the *American Psychological Association*, August, 1986.
12. Revelle, W. Motivation and efficiency of cognitive performance. Symposium in honor of John W. Atkinson, University of Michigan, Ann Arbor, November, 1985.
11. Revelle, W. A dynamic model for personality and motivation. *International Society for the Study of Individual Differences*, San Feliu De Guixols, Spain, 1985.
10. Revelle, W. Control theory and the dynamics of behavior. *Society for Multivariate Experimental Psychology*, Evanston, 1984.
9. Leon, M.R. & Revelle, W. The effects of anxiety and impulsivity on analogical reasoning. *Psychonomic Society*, San Diego, 1983.
8. Revelle, W. Motivation and efficiency of cognitive processing. *Society for Multivariate Experimental Psychology*, Denver, 1983.
7. Revelle, W. Personality, motivation and performance: tests of a theory. *International Society for the Study of Individual Differences*, London, 1983.
6. Revelle, W., Personality, Arousal, and Performance: data, theory and speculation. Presented at the Personality, Arousal and Performance Conference, Oxford, May, 1982.
5. Revelle, W., Explanations of the Yerkes-Dodson Law. Bedford College (January,1982) and the Maudsley Hospital, University of London (April,1982).
4. Revelle, W. Personality and Performance—explanations of the Yerkes-Dodson Law. University of Oxford, (November, 1981).



3. Humphreys, M.S., and Revelle, W. Arousal and Effort: I. Steps towards a theory of performance. Presented at a symposium titled: Individual differences and performance: implications for personality and experimental psychology (organized by M.S. Humphreys and W. Revelle). The annual meeting of the *Midwestern Psychological Association*, Chicago, Illinois, May, 1979.
2. Revelle, W., and Humphreys, M.S. Arousal and Effort: II. Steps towards a theory of individual differences. Presented at a symposium titled: Individual differences and performance: implications for personality and experimental psychology (organized by M.S. Humphreys and W. Revelle). The annual meeting of the *Midwestern Psychological Association*, Chicago, Illinois, May, 1979.
1. Revelle, W. and Humphreys, M.S. Personality and Performance: Individual differences and the Yerkes-Dodson "Law". Presented at the University of Michigan, Ann Arbor, Michigan, February, 1979.