

William Revelle
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Education

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

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, 1968-1971

United States Peace Corps Volunteer Sarawak, Malaysia 1965-1967

Professional Interests

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

Google Scholar

<https://scholar.google.com/citations?user=293jbW0AAAAJ&hl=en>

Honors and Awards

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

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

Vice-Chair, Governing Board, Bulletin of Atomic Scientists, 2013 - present

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 (Division 8) 2016-present

Fellow, Society of Personality and Social Psychology 2015-present

Member, Council of Representatives of the American Psychological Association (for Division 5) 2015-2017

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

1. Revelle, W., Amaral, P., and Turriff, S. (1976). Introversiion-extraversiion, time stress, and caffeine: effect on verbal performance. *Science*, 192:149–150, doi:10.1126/science.1257762
2. Revelle, W. and Michaels, E. J. (1976). Theory of achievement-motivation revisited - implications of inertial tendencies. *Psychological Review*, 83(5):394–404, doi:10.1037/0033-295X.83.5.394
3. Revelle, W. (1979). Hierarchical cluster-analysis and the internal structure of tests. *Multivariate Behavioral Research*, 14(1):57–74, doi:10.1207/s15327906mbr1401_4
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, doi:10.1037/0096-3445.109.1.1
5. 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, doi:10.1037/0033-295X.91.2.153
 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, doi:10.1146/annurev.psych.46.1.295
 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, doi:10.1007/s11336-008-9102-z
 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, doi:10.1016/j.intell.2014.01.004

Research Support

- (PI) Revelle, W. The International Cognitive Ability Resource. NSF SMA-1419324. 4/1/14-3/31/17.
- (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 III: Health Literacy and Cognitive Function among Older Adults. NIH/NIA 2 R01 AG30611-XX (2017-2020)
- 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. MDA903-90-C-0108 (7/25/90- 3/31/93), MDA903-93-K-0008 (9/1/93- 8/31/97).
- 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

86. Elleman, L. G., Condon, D. M., Russin, S. E., and Revelle, W. (2016). The personality stability of U.S. states from 1999 to 2015. *Journal of Research in Personality*, (in press)
85. Anand, D., Wilt, J., and Revelle, W. (2016). Within-subject covariation between depression- and anxiety-related affect. *Cognition and Emotion*, 0(0):1–7, doi:10.1080/02699931.2016.1184625. PMID: 27215695
84. Wilt, J., Bleidorn, W., and Revelle, W. (2016a). Finding a life worth living: Meaning in life and graduation from college. *European Journal of Personality*, 30:158–167, doi:10.1002/per.2046
83. Wilt, J. A., Bleidorn, W., and Revelle, W. (2016b). Velocity explains the links between personality states and affect. *Journal of Research in Personality*, pages –, doi:10.1016/j.jrp.2016.06.008
82. Revelle, W. and Wilt, J. (2016). The data box and within subject analyses: A comment on Nesselroade and Molenaar. *Multivariate Behavioral Research*, 51(2-3):419–421, doi:10.1080/00273171.2015.1086955
81. Revelle, W. (2016a). Hans Eysenck: Personality Theorist. *Personality and Individual Differences*, 103:32–39, doi:10.1016/j.paid.2016.04.007

80. Condon, D. M. and Revelle, W. (2016). Selected ICAR data from the SAPA-Project: Development and initial validation of a public-domain measure. *Journal of Open Psychology Data*, doi:10.5334/jopd.25
79. Condon, D. M. and Revelle, W. (2015a). Selected ICAR data from the SAPA-Project: Development and initial validation of a public-domain measure. *Harvard Dataverse*, doi:10.7910/DVN/AD9RVY
78. Condon, D. M. and Revelle, W. (2015c). Selected personality data from the SAPA-Project: On the structure of phrased self-report items. *Journal of Open Psychology Data*, 3(1), doi:10.5334/jopd.al
77. Condon, D. M. and Revelle, W. (2015b). Selected personality data from the SAPA-Project: 08dec2013 to 26jul2014. *Harvard Dataverse*, doi:10.7910/DVN/SD7SVE
76. Kendall, A. D., Zinbarg, R. E., Mineka, S., Bobova, L., Prenoveau, J. M., Revelle, W., and Craske, M. G. (2015). Prospective associations of low positive emotionality with first onsets of depressive and anxiety disorders: Results from a 10-wave latent trait-state modeling study. *Journal of Abnormal Psychology*, 124(4):933–943, doi:10.1037/abn0000105
75. Condon, D. M. and Revelle, W. (2015c). Selected personality data from the SAPA-Project: On the structure of phrased self-report items. *Journal of Open Psychology Data*, 3(1), doi:10.5334/jopd.al
74. Condon, D. M., Wilt, J., Cohen, C. A., Revelle, W., Hegarty, M., and Uttal, D. H. (2015). Sense of direction: General factor saturation and associations with the big-five traits. *Personality and Individual Differences*, 86:38–43, doi:10.1016/j.paid.2015.05.023
73. Wilt, J. and Revelle, W. (2015a). Affect, behaviour, cognition and desire in the big five: An analysis of item content and structure. *European Journal of Personality*, 29(4):478–497, doi:10.1002/per.2002
72. Wilt, J. A. and Revelle, W. (2015b). Suggestions for building upon a strong foundation for situation research. *European Journal of Personality*, 29(3):415–416
71. Kendall, A. D., Zinbarg, R. E., Bobova, L., Mineka, S., Revelle, W., Prenoveau, J., and Craske, M. G. (2016). Measuring positive emotion with the mood and anxiety symptom questionnaire: Psychometric properties of the anhedonic depression scale. *Assessment*, 23(1):86–95, doi:10.1177/1073191115569528

70. Smillie, L. D., Wilt, J., Kabbani, R., Garratt, C., and Revelle, W. (2015). Quality of social experience explains the relation between extraversion and positive affect. *Emotion*, 15(3):339–349, doi:10.1037/emo0000047
69. Revelle, W. and Condon, D. M. (2015b). A model for personality at three levels. *Journal of Research in Personality*, 56:70–81, doi:10.1016/j.jrp.2014.12.006
68. Curtis, L., Revelle, W., Waite, K. R., Wilson, E. A. H., Condon, D., Bojarski, E., Park, D. C., Baker, D., and Wolf, M. (2015). Development and validation of the comprehensive health activities scale: A new approach to health literacy measurement. *Journal of Health Communication*, 20:157–164, doi:10.1080/10810730.2014.917744
67. Kendall, A. D., Wilt, J., Walls, C. E., Scherer, E. A., Beardslee, W. R., Revelle, W., and Shrier, L. A. (2014). The social context of positive and negative affective states in depressed youth. *Journal of Social and Clinical Psychology*, 33(9):805–830, doi:10.1521/jscp.2014.33.9.805
66. Skogsberg, K., Grabowecy, M., Wilt, J., Revelle, W., Iordanescu, L., and Suzuki, S. (2015). A relational structure of voluntary visual-attention abilities. *Journal of Experimental Psychology: Human Perception and Performance*, 41(3):761–789, doi:10.1037/a0039000
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, doi:10.1016/j.intell.2014.01.004
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, doi:10.3758/s13428-013-0402-6
63. Revelle, W. and Wilt, J. (2013). The general factor of personality: A general critique. *Journal of Research in Personality*, 47(5):493–504, doi:10.1016/j.jrp.2013.04.012
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, doi:10.1016/j.jrp.2013.04.008
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, doi:10.1037/a0030989
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, doi:10.1007/s11606-012-2079-4
 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, doi:10.1037/a0028372
 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, doi:10.1002/per.1905
 57. Condon, D. M., Brown-Riddell, A., Wilt, J., and Revelle, W. (2012). Scale issues in casuality. *European Journal of Personality*, 26:393–395, doi:10.1002/per.1865
 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, doi:10.1002/tea.21010
 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, doi:10.1037/a0027227
 54. Schalet, B., Durbin, E., and Revelle, W. (2011). Multidimensional structure of the hypomanic personality scale. *Psychological Assessment*, 23(2):504–522, doi:10.1037/a0022301
 53. Wilt, J., Oehlberg, K., and Revelle, W. (2011c). Anxiety in personality. *Personality and Individual Differences*, 50(7):987–993, doi:10.1016/j.paid.2010.11.014
 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, doi:10.1016/j.jrp.2011.03.005

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, doi:10.1007/s11336-008-9102-z
49. Revelle, W. (2009). Personality structure and measurement: the contributions of Raymond Cattell. *British Journal of Psychology*, 100:253–257, doi:10.1348/000712609X413809
48. Evans, A. M. and Revelle, W. (2008). Survey and behavioral measurements of interpersonal trust. *Journal of Research in Personality*, 42(6):1585–1593, doi:10.1016/j.jrp.2008.07.011
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, doi:10.1111/j.1467-6494.2008.00526.x
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, doi:10.1177/0146167207301009
43. Zinbarg, R. E., Revelle, W., and Yovel, I. (2007). Estimating ω_h for structures containing two group factors: Perils and prospects. *Applied Psychological Measurement*, 31(2):135–157, doi:10.1177/0146621605278814
42. Rafaeli, E. and Revelle, W. (2006). A premature consensus: Are happiness and sadness truly opposite affects? *Motivation and Emotion*, 30(1):1–12, doi:10.1007/s11031-006-9004-2
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 ω_h . *Applied Psychological Measurement*, 30(2):121–144, doi:10.1177/0146621605278814

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, doi:10.1111/j.0956-7976.2005.00792.x
39. Zinbarg, R. E., Revelle, W., Yovel, I., and Li, W. (2005). Cronbach's α , Revelle's β , and McDonald's ω_H : Their relations with each other and two alternative conceptualizations of reliability. *Psychometrika*, 70(1):123–133, doi:10.1007/s11336-003-0974-7
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, doi:10.1152/ajpregu.00761.2002
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, doi:10.1207/s15327752jpa7903_04
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, doi:10.1023/A:1020642318162
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, doi:10.1023/A:1001955721992
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, doi:10.1023/A:1005517326981
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, doi:10.1046/j.1365-2869.2000.00196.x
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, doi:10.1016/S0191-8869(98)00247-5

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, doi:10.1037/0022-3514.74.6.1592
29. Revelle, W. (1995). Personality processes. *Annual Review of Psychology*, 46:295–328, doi:10.1146/annurev.psych.46.1.295
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, doi:10.1037/0022-3514.67.2.334
27. Bailey, J. and Revelle, W. (1991). Increased heritability for lower IQ levels? *Behavior genetics*, 21(4):397–404, doi:10.1007/BF01065975
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, doi:10.1080/02699939008410797
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, doi:10.1007/BF00995541
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, doi:10.1037/0022-3514.57.2.301
23. Revelle, W. (1987). Personality and motivation: Sources of inefficiency in cognitive performance. *Journal of Research in Personality*, 21(4):436 – 452, doi:10.1016/0092-6566(87)90031-6
22. Klirs, E. G. and Revelle, W. (1986). Predicting variability from perceived situational similarity. *Journal of Research in Personality*, 20(1):34–50, doi:10.1016/0092-6566(86)90107-8
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, doi:10.1037/0096-1523.11.1.14
20. Leon, M. R. and Revelle, W. (1985). Effects of anxiety on analogical reasoning: A test of three theoretical models. *Journal of Per-*

- sonality and Social Psychology*, 49(5):1302–1315, doi:10.1037//0022-3514.49.5.1302
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, doi:10.1037/0033-295X.91.2.153
 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, doi:10.1037/0022-3514.47.5.1028
 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, doi:10.1016/0191-8869(83)90051-X
 16. Revelle, W. (1983). Factors are fictions, and other comments on individuality theory. *Journal of Personality*, 51(4):707–714, doi:10.1111/1467-6494.ep7380795
 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, doi:10.1016/0191-8869(83)90011-9
 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, doi:10.1037/0096-1523.8.4.614
 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, doi:10.1111/j.2044-8309.1981.tb00498.x
 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, doi:10.1037/0022-006X.49.1.34

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, doi:10.1037/0096-3445.109.1.42
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, doi:10.1037/0096-3445.109.1.1
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, doi:10.1016/0092-6566(79)90004-7
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, doi:10.1207/s15327906mbr1404_2
7. Revelle, W. (1979). Hierarchical cluster-analysis and the internal structure of tests. *Multivariate Behavioral Research*, 14(1):57–74, doi:10.1207/s15327906mbr1401_4
6. Hanback, J. and Revelle, W. (1978). Arousal and perceptual sensitivity in hypochondriacs. *Journal of Abnormal Psychology*, 87(5):523–530, doi:10.1037/0021-843X.87.5.523
5. Revelle, W. (1978). ICLUST: A cluster analytic approach to exploratory and confirmatory scale construction. *Behavior Research Methods and Instrumentation*, 10(5):739–742, doi:10.3758/BF03205389
4. Revelle, W., Amaral, P., and Turriff, S. (1976). Introversion-extraversion, time stress, and caffeine: effect on verbal performance. *Science*, 192:149–150, doi:10.1126/science.1257762
3. Revelle, W. and Michaels, E. J. (1976). Theory of achievement-motivation revisited - implications of inertial tendencies. *Psychological Review*, 83(5):394–404, doi:10.1037/0033-295X.83.5.394
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, doi:10.1080/00224545.1974.9923087

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

Books

Although in preparation for six years and still not finished, my draft chapters on psychometric theory are available online at the personality-project.

<http://www.personality-project.org/r/book/>

Revelle, W. (in prep). *An introduction to psychometric theory with applications in R*. Springer

Chapters

36. Wilt, J. and Revelle, W. (in press). A personality perspective on situations. In Funder, D., Rauthman, J., and Sherman, R., editors, *Oxford Handbook of Psychological Situations*. Oxford Univeristy Press
35. Revelle, W., Condon, D. M., Wilt, J., French, J. A., Brown, A., and Elleman, L. G. (2016). Web and phone based data collection using planned missing designs. In Fielding, N. G., Lee, R. M., and Blank, G., editors, *SAGE Handbook of Online Research Methods*, chapter 37, pages 578–595. Sage Publications, Inc., 2nd edition
34. Wilt, J. and Revelle, W. (2016). Extraversion. In Widiger, T., editor, *The Oxford Handbook of the Five Factor Model*. Oxford University Press, New York, N.Y. DOI: 10.1093/oxfordhb/9780199352487.013.15
33. Revelle, W. (2015e). Raymond Cattell. In Cautin, R. L. and Lilienfeld, S. O., editors, *The Encyclopedia of Clinical Psychology*. John Wiley & Sons, Inc
32. Revelle, W. (2015c). Hans J. Eysenck. In Cautin, R. L. and Lilienfeld, S. O., editors, *The Encyclopedia of Clinical Psychology*. John Wiley & Sons, Inc
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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
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Computer programs and documentation

The *psych* package, accompanying documentation and vignettes are available for download from the Comprehensive R Archive Network (CRAN) at <https://CRAN.R-project.org/package=psych>. *psych* is a general toolbox for psychometric and personality research. The *psych* package is actively being used around the world and more than 70 packages either suggest, import, or depend upon it. Unfortunately, it is a never finished product and new releases are issued at least semi-annually.

15. Revelle, W. (2016c). *psych: Procedures for Personality and Psychological Research*. Northwestern University, Evanston, <http://cran.r-project.org/web/packages/psych/>. R package version 1.6.12
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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
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>)
5. Revelle, W. (1999) VSS-Alpha-ICLUST: Mac based psychometrics program. Northwestern University, 1996-1999. (See <http://pmc.psych.northwestern.edu/revelle/programs.html>)
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2. Revelle, W. (1977) ICLUST: A program for analyzing the internal structure of tests. *Northwestern University Computer Center memo* 432, 1977.
1. Revelle, W. (1972) CLUST, ALPHA, LOADING, ORDER, PLOT, CONTENT and T-SCORE. A package of programs for cluster analysis and scale construction. *Center for Research and Teaching*, University of Michigan, Ann Arbor, Michigan, 1972.

Website

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. \(2010b, 2011b, 2016\)](#) for details of this technique and [Evans and Revelle \(2008\)](#); [Condon and Revelle \(2014, 2015c\)](#) for examples of its application.)

The SAPA Project <https://sapa-project.org> is part of the Personality Project and is used for my lab's data collection. It is an example of our Massively Missing Completely at Random procedure for data collection.

Book Reviews

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.

Workshops

For the past several years, I have been giving workshops (usually partly sponsored by the Society of Multivariate Experimental Psychology) on psychometric theory and its applications using the R computer language. These are meant to help psychological researchers in general and personality researchers in particular to learn how to use R in their teaching and research.

9. Revelle, W. , Condon, D. and Weston, S. (2015) An introduction to R. Presented at the Association of Psychological Science. New York, New York (May 26, 2016)
8. Revelle, W. , Condon, D. and Weston, S. (2015) An introduction to R. Presented at the Association of Psychological Science. New York, New York (May 24, 2015)
7. Revelle, W. and Perugini, M. (2014) Organizers; EAPP-ISSID-SMEP Summer School - Using R for personality research. Bertinoro, Italy. August 23-28th.
6. Revelle, W. (2014) An introduction to R. Presented at the Association of Psychological Science. San Francisco, California. (May 22, 2014)
5. Revelle, W. (2014) An Introduction to Psychometric Theory with Applications in R: A short course. Presented at the Universidade São Francisco, Campinas, Brazil. February 10-15, 2014.
4. Revelle, W. (2013) An introduction to R. Presented at the Association of Psychological Science. Washington, D.C. (May 23, 2013)
3. Revelle, W. (2013) An introduction of R in Personality Research: The First World Conference of Personality, Stellenbosch, South Africa, March 19, 2013.
2. Revelle, W. (2012) An introduction to R. Presented at the Association of Psychological Science, Chicago, Illinois, May 23.
1. Revelle, W. (2011) An introduction to R. Presented at the 2nd Biennial meeting of the Association of Research in Personality, Riverside, California, June 16, 2011.

Papers presented at conferences

82. Revelle, W. and Condon, D. M. (2016b). Personality, ability and interests: Real world outcomes. In *Part of symposium: Broadening the scope of personality research: the place of personality, ability and interests in determining real world outcomes.*, Timisoara, Romania. European Conference on Personality
81. Revelle, W. and Condon, D. M. (2016a). Embrace your missingness. In *Part of symposium: approaching complex research designs from the perspective of missing data.*, Chicago, Il. Association for Psychological Science
80. Revelle, W. (2016b). Personality at three levels of analysis. Buzios, Brazil. Keynote Address to the 2nd World Conference on Personality (April)
79. Revelle, W. (2015d). Personality research: an open and shared science. Novi Sad, Serbia. Current Trends in Psychology Conference (October)
78. Revelle, W. and Condon, D. M. (2015a). Ability, temperament, and interests: their joint predictive power for job choice. Albuquerque, New Mexico. International Society for the Study of Intelligence (September)
77. Revelle, W. (2015, July) Synthetic Aperture Personality Assessment: An old technique applied with modern technology. (Presented as part of a symposium Studying Individual Differences Using the Web: A Report from the SAPA Project. Organized by William Revelle.) International Society for the Study of Individual Differences. London, Ontario.
76. Revelle, W. (2015, February). psych: a general purpose toolkit for personality and psychological research. (Part of a symposium on using R in personality research. Organized by Steven D. Short, Presented at the *Society of Personality and Social Psychology* Long Beach, California.
75. 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.

74. Condon, D. M. & Revelle, W. (2014, July). Cross-Domain Assessment of Individual Differences: The Unique Benefits of Public-Domain Measures. Symposium at the 17th *European Conference on Personality*, Lausanne, Switzerland.
73. Revelle, W. & Condon, D. M. (2014, July). Personality and ability: Assessing ability using the international cognitive ability resource (ICAR) Symposium at the 17th *European Conference on Personality*, Lausanne, Switzerland.
72. 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.
71. William Revelle and Ashley Brown (2013) Standard errors for SAPA correlations. Presented at the Society of Multivariate Experimental Psychology, St. Petersburg, Florida. (October, 2013)
70. 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.
69. 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.
68. 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.
67. 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.

66. 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.
65. 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.
64. 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.
63. 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.
62. 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).
61. 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.
60. 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.
59. 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.

58. William Revelle (2012) An introduction to R: A short course. Presented at the Association for Psychological Science annual meeting. Chicago. May, 2012.
57. 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.
56. 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.
55. 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.
54. William Revelle (2011) An introduction to R: A short course. Presented at the Association for Research in Personality biennial meeting. Riverside. June, 2011.
53. William Revelle (2011) An introduction to R: A short course. Presented at the Association for Psychological Science annual meeting. Washington, D.C. May, 2011.
52. 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
51. 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
50. 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

49. 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
48. 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
47. 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
46. 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.
45. 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.
44. 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.
43. 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.
42. 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.
41. 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.

40. 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.
39. 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
38. 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.
37. Revelle, W. (2006) Synthetic Aperture Personality Assessment. Invited paper at the *Midwestern Psychological Association Annual Meeting*, Chicago, May, 2006.
36. 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
35. Revelle, W. and Laun, G. (2004) Synthetic Aperture Personality Assessment. *Society for Multivariate Experimental* , Fort Meyers, Florida, October, 2004.
34. 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.
33. 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.
32. Born, W. and Revelle, W. (1997) Women, math, and stereotypes: What Helps and what Hurts *Midwestern Psychological Association*, April, 1997
31. Revelle, W. (1996) Personality as melody: the temporal coherence of behavior. Department of Psychology Colloquium, University of Michigan, March, 1996.

30. Born, W. and Revelle, W. *American Psychological Society*, June, 1996
29. Rogers, G. and Revelle, W. *American Psychological Association*, August, 1996
28. Acton, G. S., and Revelle, W. (1996) Paper presented at the *Midwestern Psychological Association* annual meeting, Chicago, May, 1996.
27. 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
26. Revelle, W. & Anderson, K. J. (1994, September) Personality, motivation, and cognition. Conference on Human Cognitive Abilities. University of Virginia, Charlottesville.
25. Revelle, W. (1993) Personality and affect. *International Society for the Study of Individual Differences*. Baltimore, Md. July, 1993.
24. Revelle, W. (1993) Personality, Motivation, and Cognitive Performance. In Process Review. Army Research Institute, Washington, D. C., February, 1993.
23. 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.
22. 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
21. 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.
20. 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.
19. 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.
 18. Revelle, W. Personality, Individual Differences, and the Psychological Spectrum. 4th meeting of the *International Society for the Study Individual Differences*, Heidelberg, June, 1989.
 17. 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.
 16. 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.
 15. Revelle, W. & Puchalski, M. Arousal and Memory: impulsivity, time of day, and retention interval. *Psychonomic Society Meeting*, Chicago, October, 1988.
 14. 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.
 13. 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.
 12. 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.

11. 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.
10. Revelle, W. Motivation and efficiency of cognitive performance. Symposium in honor of John W. Atkinson, University of Michigan, Ann Arbor, November, 1985.
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