Index

alcohol see intoxicated witnesses
anatomical and anthropological standards, 103–8
dental pattern, 107–8
ear morphology, 105
eye morphology, 103–5
mouth shape, 107–8
nasal tissue, 105–7
Ashbury, D. (victim of wrongful conviction), 326
Attorney General’s Reference (2003), 215–7, 244, 254, 256
automatic face recognition see computer-based face recognition
Beck, Adolf, 5, 130–131
Beck, William, 160
Behrman, B. W., 85
Bindemann, M., 224, 228–9
body recognition, 274–7
Brewer, N., 36, 141, 147, 191, 193–4, 196, 200–204
Brigham, J. C., 26–8, 168–70
Brown, C., 21, 27
Bruce, V., 21, 215–4, 226
Cannon, P. (sex offender), 324–5
Caon, A., 141, 147
child witnesses, 165–6
chimeric facial image, 212–3
Clark, S. E., 136–9, 147–9, 151–2
closed circuit television (CCTV) identification by police officers, 244–5
identification from, 218–23, 239–43, 307–8
matching unfamiliar faces from see face matching; facial image comparison
recognition of familiar face from, 11, 215–6, 218–9
Clyde, Charles (wrongly convicted), 72
cognitive bias, 79–81, 87, 217, 244, 252, 253, 328
cognitive interview, 20–2, 43–5
commitment effect, 85, 324
composites see facial composites
computer-based facial recognition, 12, 268–9
comparison to human face recognition, 277–8
confidence limiting factors for use, 198–201
novel use as index of recognition, 201–4
use in court, 186–7
confidence-accuracy relationship
calibration, 191–3
calibration for lineup rejections, 193–5
for eyewitness identification
decisions, 10, 190–191
information asymmetry
hypothesis, 194
theoretical perspectives, 188–90
confidence inflation, 195–6
configural processing, 37 see also holistic processing
confirmation bias see also cognitive bias
definition, 325
in fingerprint comparison, 13, 326–7
Copeland, D. (London nail-bomber), 11
craniofacial anthropology, 93
craniofacial superimposition, 99–103, 112–3
Criminal Appeal Act (1907), 5
cross-ethnicity effect see own ethnicity bias
cross examination, 294
Cutler, B. L., 140, 145

Dando, Jill, British TV presenter, 18–19
Darling, S., 24, 145
Davey, S. L., 85
Davis, George. (armed robber), 4–5
Davis, J. P., 10–11, 13, 71, 73, 76, 84, 222–3, 231
Davis v. R (2011), 4–5
Deffenbacher, K. A., 33, 73, 84–6, 171–2
delay see retention interval
de Menzes, J. C. (shot by Metropolitan Police), 212–4, 328
Department of Motor Vehicles, 265
Devlin, P., 5, 8–9, 132, 134, 137, 139, 323
DNA exonerations see Innocence Project
Dror, I, 244
d’see signal detection theory
Dysart, J. E., 74, 77, 80–85, 87, 167
encoding specificity principle, 35, 81–2, 87, 164, 325
Engstler-Schooler, T. Y., 25, 27
estimator variables, 20, 161
Evidence Act 2006 (New Zealand), 295
exclusion of evidence, 295
Facebook identification, 216, 310
face matching, 10–11, 215, 219–23, 269, 340–341
comparison between familiar and unfamiliar faces, 219–20
cross-ethnicity, 225
gender, 225
individual differences, 11 see also super-recognizers parallels with face recognition, 224–6
practical aspects, 228–30
selection of gifted individuals, 230–232
stress, 225
theoretical models, 226–8
training of, 228–30
unfamiliar faces, 219–24
face recognition
changes in illumination, expression and appearance, 270–273
differences between familiar and unfamiliar faces, 263, 266, 281
individual differences,
230–232
theoretical models, 226–8
face-space, 163–4
facial composites, 7, 331–3
blurring outer features, 53
composite system evaluation, 49–50
dynamic caricature, 61–2
effect of construction on lineup performance, 54
holistic-cognitive interview (H-CI), 56–7
holistic systems
EFIT-V, 51–2
EvoFIT, 51–2
fundamental properties, 51–2
ID, 51–2
interaction between methods, 61–2
internal features first, 53–4
laboratory 'gold standard' for testing, 48–9
mechanical feature-based systems, Identikit, 47
Photofit, 46
morphed composites, 57–9
perceptual background image (PBI) composite, 61
perceptual stretch, 60–61
police field trials, 62–3
policy and practice, 4–6, 63–4, 331–3
recognition of, 49–50, 52
software feature-based systems
E-FIT, 47
PRO-fit, 47
3D composites, 65
facial depiction, 97–9, 100–101, 110–112
facial image comparison
ad hoc expertise, 313
admissibility of evidence, 313–17
by experts, 12, 216, 241–51, 254–7, 312–7, 341–2
Facial Identification Scientific Working Group (FISWG) guidance, 249–51
duty interpretation, 256
morphological comparison, 248, 250
National Policing Improvement Agency (NPIA) guidance, 246–7
photo-anthropometric analysis, 248–9
photographic superimposition 248, 251
probative value, validity & reliability, 253–5
facial mapping see facial image comparison
facial reconstruction, 100–101
featural processing, 29–30
Finger, K., 30
Fisher, R. P., 20, 34
Fitzgerald, R. J., 136, 138, 149
Fraser, J., 35
Frowd, C., 48–9, 53–4, 56–7, 59–63
Gabbert, F., 34, 36
Geiselman, R. E., 20
Goldsmith, M., 36
Heaton, P., 147
holistic processing, 30–31, 37, 165, 168, 170
Hope, L., 34
Horry, R., 169–71
Howe, Jeffrey (murder victim), 94–7
human-machine fusion, 277–8
identity parades see live lineups
Innocence Project, 5, 8, 333
Innocence Project, University of Bristol, 160
interviewing witnesses for identification, 6, 329–30
intoxicated witnesses, 83–4, 167–8
Jamieson, K., 34
Jarvis, Peter (sex offender), 160–161
Javed, Asim (sex offender), 44
Jigsaw Murder, 94–7
judicial warnings, 294–5
Kebbell, M. R., 21
Kersholt, J. H., 145
Klare, B. F., 279–80
Koriat, A., 36
Lander, K., 31
Lawson, V. Z, 81–5, 87
legal procedures for identification evidence, 12
Lewis, H. L., 30
Lindh, Anna, Swedish Foreign Minister, 18
Lindsay, R. C. L., 73, 76–7, 79–80, 82–4, 86, 138
lineup
comparison with showup, 76–8
lineup members
assessing lineup fairness, 133–6
foil selection, 136–9
match to description, 19
match to suspect, 19
number of foils, 139–41
lineup procedure
departure from procedure, 302–6
distinctive feature, 142, 340
double-blind administration, 148,
300–301, 336–7
format-photos vs. video vs. live
presentation, 141–7
feedback, 338
impartial service, 306–7
instructions, 147–8, 336–7
selection of lineup members,
336, 338
statement of confidence, 301, 338
see also confidence-accuracy
relationship
positive identification, 339
wild-card, 340
US Justice Department
guidelines, 138
live lineups, mistaken identification
from, 5
Lloyd-Jones, T. J., 21, 27, 30
Lochun, S. K., 22, 33
London bomb, 328
London, K., 36
London riots, 11
Lord Advocate’s guidelines
(Scotland), 19
Macrae, C. N., 30
malleability of eyewitness
confidence, 195–8
Marshall, Stephen (murderer), 95–7
McAllister, H. A., 73–5
McKie, S. (police officer), 326
McLin, O. H., 140–141
Megreya, A. M., 215, 219, 222, 224,
227
Meissner, C. A., 26–8, 35, 140–141,
168–70
Memon, A., 35–6, 151
mental reinstatement of context,
20, 35
metacognitive awareness, 36
Milne, R., 21
Morgan, C. A. III., 172–3
Morgan, v. R, 241–2
mugshots, 72–3, 333 see also
repeated identification
procedures
computerised mugshots, 74–5
dynamic v static, 74–5, 86
photographic similarity, 75
procedural issues, 73–5
mug book pruning and sorting, 75
National Institute of Justice
guidelines for collection of
eyewitness evidence, 197–8
National Institute of Standards and
Technology (NIST) challenges,
267–9
Face Recognition Grand
Challenge, 270–273
Face Recognition Vendor Test, 267
The Good, Bad, and Ugly
Challenge, 273–4
National Research Academy,
257, 327
Navon figures, 30–31, 37
Neil v Biggers (1972), 19, 132, 187
New Jersey v Chen, xiii
New Jersey v Henderson (2011), 299
see also State v. Henderson
(2011)
Newton, Alan (wrongly
convicted), 72
Newton v City of New York
(2009), 72
New York State Governor’s
Office, 265
older witnesses, 166–7
Oregon v Lawson (2012), 187
O’Rourke, T., 145
Osman, H. (terrorist), 212–4, 328
O’Toole, A. J. 270–274, 277–8, 280
own-age bias, 161, 169–70
own-ethnicity bias, 6–9, 82–3, 176,
225, 278–80
Parker, J.F., 140–141
Perfect, T. J., 31, 79
perpetrator characteristics, 163–5,
168–70
attractiveness, 16–4
disguise, 16–5, 176
distinctiveness, 171
person description, 6, 17–19
accuracy, 24–5
errors, 29–32
quantity, 24–5
relationship with identification accuracy, 22–5

Pezdek, K., 30
Phillips, P. J., 272–4, 277–280
photographic images
identification by police officers, 244–5
recognition from see face matching
use in court, 215–8, 239–43

Pickering, A., 24
Police and Criminal Evidence Act (PACE) 1984 code D, 8–9,
19, 133, 137, 140, 143, 216,
297–8, 339

Police Executive Research Forum (PERF), 71–2, 74–6, 78, 84
receiver operating characteristic (ROC), 135, 149–50, 269,
343–4
recognition evidence, 308–12
familiar faces, 226–8
repeated identification procedures, 7, 84–6, 87, 335
retention interval
effect on eyewitness identification, 170–171, 176
prior to description, 33–4

Rice, A., 274–6
Robinson, M., 21
Ross, M. (murder victim), 326
rule of fifteen, 74, 160–5
R v Atkins, 316
R v George (2002), 18
R v George (2007), 18
R v Turnbull (1977), 163, 165, 167–9,
171, 174–6
R v Turnbull and others (1976), 19, 132

Sauer, J. D., 202
Schooler, J. W., 25–7
Scottish Criminal Records Office, 326
self-administered interview (SAI), 34
sequential lineups, 76–8, 83, 87,
149–51, 298–300
showups, 7, 75, 333–4

age of witness, 82–4
clothing bias, 79–81
instructions to witness, 79
intoxication see intoxicated witnesses
mode of presentation, 78–9
procedural issues, 78–82
showup-lineup comparison, 76–9,
83, 86–7
stolen property, 81–2
suggestiveness, 76–7, 81, 84, 87–8
signal detection theory, 188–9, 269
simultaneous lineups, 76–8, 83
Smith, A. M., 78, 81–2, 87
social media see Facebook identification

Sporer, S. L., 23–4
State v Clyde (1987), 72
State v. Henderson (2011), xii–xiii,
162–3, 165, 167–9, 172,
174–6, 187, 200
Steblay, N., 74, 77, 78, 82
street identification, 7, 303, 334, 336
see also showups
stress, effect on eyewitness identification, 160–161,
171–3, 176 see also face matching
super-recognizers, 11, 230–32, 341
suspect effect, 142
system variables, 20, 161
three-dimensional images, 252
Todd, C. A., 141, 147
Tredoux, C., 140–1
tunnel vision see cognitive bias
unconscious transference, 85
Uniform Evidence Legislation
(Australia) 304–5
US v Wade, 1967, 129

Valentine, T., 10–13, 24, 29, 71,
76–9, 80, 84, 85, 87, 145, 151,
160–161, 163–4, 173, 222–3
Van Koppen, P. J., 22, 33
viewing conditions, effect on eyewitness identification
distance, 174–5
exposure time, 175–6
illumination, 174–5
verbal overshadowing, 25–32, 54–5
  criterion-shift account, 31–2
  processing account, 29–31
  recoding interference, 27–29
video lineups
  comparison to live lineups, 9, 141–7
  mistaken identification from, 5
  moving compared to still images, 145, 325
  PROMAT, 146
  VIPER, 146

weapon focus, 173–4, 176
Weber, N., 36, 70, 79, 141, 147, 193–4

Wells, G. L., 20, 74, 76, 161
Wickham, L. H. V., 31
witness album see mugshots
witness characteristics, 165–70
  see also intoxicated
  witnesses
  age, 82, 165, 171, 175–6
  child witnesses, 165–6
  ethnicity, 82–3 see also own-
  ethnicity bias
  older witnesses, 166–7
witness description see person
description
Wright, D. B., 36