

BIBLIOGRAPHY "VISUAL SIGNALLING", THE NETHERLANDS, 1979-1982

R-83-28

Dr. D.A. Schreuder

Leidschendam, 1983

Institute for Road Safety Research SWOV, The Netherlands

BIBLIOGRAPHY "VISUAL SIGNALLING", THE NETHERLANDS, 1979-1982

Within the Commission Internationale de l'Eclairage CIE the subject area of visual signalling is allotted to the Technical Committee TC-1.6.

The terms of reference of this Committee are "To study the fundamental factors which govern the detection, recognition and interpretation of "visual signals". The working programme is as follows:

1. To prepare a recommendation on "Surface colours for visual signalling".
2. To prepare a recommendation on light signals for road traffic control.
3. To prepare a technical report on "signs".
4. To study the use of retroreflectors in visual signalling.
5. To study the effective intensity of flashing lights.
6. To study road markings.
7. To study the effect of combination of lights.
8. To study visual signalling in disturbed atmospheric conditions (fog, rain, snow, etc.).

This bibliography pertains to publications made in The Netherlands and/or by Dutch authors concerning the subject-matter of visual signalling between 1979 and 1982 inclusive. Some information regarding publications of 1983 is included. The bibliography includes books, journals and research reports that are generally available. It should be noted that the majority of the publications is written in the Dutch language. A tentative translation into English of the title is added between brackets. The undersigned is responsible for these translations. Many publications are included in the International Road Research Documentation Scheme (IRRD) of OECD. In most cases the IRRD number and the IRRD title translation is given.

This bibliography is set up as part of the contribution of The Netherlands to the report of the Chairman of the CIE Technical Committee TC-1.6. "Visual Signalling" to be delivered at the 20th Session (September 1983) of the Commission Internationale de l'Eclairage CIE.

Dr. D.A. Schreuder, Member TC-1.6  
Leidschendam, The Netherlands, 1983

ANON (1979a). Zichtbaarheid wegmarkeringen natte wegdekken (Visibility road markings on wet roads). *Wegen* 53 (1979) 6: 179-180.

ANON (1979b). Verwijderen van wegmarkeringen; Rijkswegenbouwlaboratorium (Removing road markings; State Road Laboratory). *RWL Wegwijzer* (1979) No. 18.

ANON (1980a). Commission International de l'Eclairage, Verslag 19e Congres (Report CIE 19th session). *Elektrotechniek* 58 (1980): 250-259.

ANON (1980b). Light signals for road traffic control. Publication CIE No. 48. CIE, Paris, 1980.

ANON (1980c). Road safety at night. OECD, Paris, 1980.

ANON (1981a). Besparing op energie en kosten bij openbare verlichting (Energy and costs savings in public lighting). SVEN, Apeldoorn, 1981.

ANON (1981b). Zichtbaarheid wegmarkeringen op natte en droge wegen (Visibility of road markings on wet and dry roads). *Overwegen* (1981) 8: 1-5.

ANON (1982a). New reflecting road marker lines promote road safety. *ITE Journal* 52 (1982) 5: 51.

ANON (1982b). Holländische Versuchsstrecke mit profilierten Markierungen und Markierungsknöpfen. *Strassenverkehrstechnik* (1982) 3: 95.

ANON (1982c). Zichtbaarheid 's nachts van wegmarkeringen op droge en natte wegen (Nighttime visibility of road markings on dry and wet roads). Mededeling E9. SCW, Arnhem, 1982.

ANON (1982d). SVT werkgroep: verkeerslichten buiten de bebouwde kom (SVT working group: traffic lights outside built-up areas). *Verkeerskunde* 33 (1982) 11: 583-590. IRRD 265945.

ANON (1982e). Extra verkeerslicht voor (brom)fietsers kan positief uitwerken (Extra traffic light for cyclists and mopedists can be positive). SWOV-schrift (1982) 12: 7.

ANON (1982f). Gebruik fietsreflector en reflecterende pedalen lijkt aantal doden en gewonden te verminderen (Using rear reflectors and pedal reflectors seems to reduce traffic casualties). SWOV-schrift (1982) 13: 1, 8.

ANON (1983). Weinig verschil tussen effecten van spaakreflector en reflecterende banden (Spoke reflectors and reflecting tyres do not differ much). SWOV-schrift (1983) 15: 5.

Arnoldus, J.G.; Harris, S. (1981). Weinig fietsen zonder rode reflector (Few bicycles without a red reflector). R-81-17. SWOV, 1981. Also: Verkeerskunde 32 (1981) 6: 297-301.

Blaauw, G.J.; Godthelp, P.J. (1977). De invloed van het type wegdek op het rijgedrag van motorrijders (The influence of type of road surface on riding a motor cycle) IZF-1977-C9. IZF-TNO, Soesterberg, 1977.

Blaauw, G.J.; Padmos, P. (1981). De zichtbaarheid 's nachts van wegmarkeringen op droge en natte wegdekken (Nighttime visibility of roadway delineation on dry and wet roads). IZF-1981-C20. IZF-TNO, Soesterberg, 1981. IRRD 264146.

Blaauw, G.J.; Padmos, P. (1982). Nighttime visibility of various types of road markings; A study on durability, including conditions of rain, fog and dew. SAE Paper 820412. SAE, Detroit, 1982.

Blokpoel, A.; Schreuder, D.A.; Wegman, F.C.M. (1982). De waarneembaarheid bij duisternis van de zijkant van fietsen (Night visibility of the sides of bicycles). R-82-36. SWOV, Leidschendam, 1982.

Burghout, F. (1982). Lichtreflectie en samenstelling van wegdekken (Light reflection and composition of road surfaces). Wegen 56 (1982) 6: 283-289 en Elektrotechniek 60 (1982) 9: 452-458.

CIE (1980). Proceedings 19th session, Kyoto 1979. Publication CIE No. 50. CIE, Paris, 1980.

Clee, H.; Hogervorst, D. (1981). Wegmarkeringen; Keuring en toepassing in Nederland (Carriageway marking; Examination and application in The Netherlands). Rijkswaterstaatserie 36. Rijkswaterstaat, Wegbouwkundige Dienst, 's-Gravenhage, 1981. IRRD 263344.

Clee, H. (1982). Beter systeem voor transport en applicatie wegverf mogelijk (Possibilities for a better system for transport and application of road paints). Wegen 56 (1982) 2: 51-54.

De Boer, J.B. (1979). Technisch-wetenschappelijke organisaties op het gebied van de verlichtingskunde (Technical and scientific organizations for lighting). Elektrotechniek 57 (1979) 2: 108-112.

De Bree, J.C.; Gerardu, J.J.A. (1982). Oppervlakeigenschappen van verschillende asfaltwegdekken (Surface characteristics of different asphaltic road surfaces). Wegen 56 (1982) 11: 339-354.

Ebell, R.J.E.V.; Groot, R.E.; Theewis, S.R.; Stoovelaar, F. (1981). De fietskoplichten als signaal (Bicycle headlights as signals). Verkeerskunde 32 (1981) 8: 380-381.

Gerardu, J.J.A. (1982). Asfaltdeklagen met gemodificeerde oppervlaktex-  
tuur (Asphaltic road surfaces with modified texture). Wegen 56 (1982) 8: 263-272.

Godthelp, J. (1979a). De tweewieler in het verkeer (Two-wheelers in traffic). Ergonomie 4 (1979) 4: 1-5.

Godthelp, J. (1979b). The perceptibility of traffic control signs at night; A field study on the effect of a new type of retroreflective material. IZF-1979-C1. IZF-TNO, Soesterberg, 1979. IRRD 246603.

Godthelp, J. (1981). Het zien van verkeersborden bij nacht (The recognition of traffic control signs during nighttime). Verkeerskunde 32 (1981) 1: 12-17. IRRD 253213.

Godthelp, J.; Padmos, P. (1981). Zien en verkeersveiligheid 's nachts (Visibility and road safety at night). Verkeerskunde 32 (1981) 2: 81-83.

Godthelp, J.; Riemersma, J.B.J. (1980). Werk in uitvoering niet-auto-snelwegen II (Road works on non-motorways II). IZF-1981-C20. IZF-TNO, Soesterberg, 1980.

Godthelp, J.; Riemersma, J.B.J. (1982a). Perception of delineation devices in road-work zones during nighttime. SAE Paper 820413. SAE, Detroit, 1982.

Godthelp, J.; Riemersma, J.B.J. (1982b). Vehicle guidance in road-work zones. Ergonomics 25 (1982) 10: 909-916.

Gredt, M. (1983). Een model voor wijkbewegwijzering (A model for signing urban regions). Verkeerskunde 34 (1983) 3: 115-120.

Huigen, A. (1981). Opvallendheid van militaire richtingsborden bij nacht (Conspicuity of military route indications at night). IZF-1981-19. IZF-TNO, Soesterberg, 1981. IRRD 264144.

Janssen, W.H.; Buist, M. (1981). Figuratieve bewegwijzering op plaatselijke rijbaansplitsingen (Figurative signing on "Krimpenerwaard"-intersections). IZF-1981-C2. IZF-TNO, Soesterberg, 1981. IRRD 264143.

Klijnhout, J.J. (1980a). Overzicht research verkeersregelingen (A survey on traffic control research). Verkeerskunde 31 (1980) 2: 70-75. IRRD 247043.

Klijnhout, J.J. (1980b). Overzicht research verkeersregelingen 2 (A survey on traffic control research 2). Verkeerskunde 31 (1980) 3: 109-112. IRRD 247455.

LITG (1980). Gemeinschaftstagung "Licht '80" Tagungsband. Lichttechnische Gesellschaft, Berlin, 1980.

Lodder, C. (1982). Verkeersdetectiesystemen en hun toepassingen (Traffic detection systems and their application). Verkeerskunde 33 (1982) 5: 286-288.

Moerman, J.J.B. (1979). Accuracy of photometry of retroreflectors and retroreflective materials. Elektrotechniek 57 (1979) 2: 101-107. IRRD 240975.

Moerman, J.J.B. (1982). Design and application of red cube-corner retroreflectors. Elektrotechniek 60 (1982) 4: 182-187. IRRD 265969.

Nelis, F.C.; De Visser, J.A. (1983). Nieuwe markering voor verkeersheuvels en obstakels (New markings for traffic islands and obstacles). Verkeerskunde 34 (1983) 3: 130-133.

Noble, M.; Sanders, A.F. (1980). Searching for traffic signals while engaged in compensatory tracking. Human Factors 22 (1980) 1: 89-102.

Overmars, F. (1980). Banden (Tyres). Moto 73 (1980) No. 23.

Poll, K.J.; Van der Horst, A.R.A. (1981). De roodlichtdiscipline van bestuurders van motorvoertuigen (The red light discipline of car drivers). IZF-1981-C12. IZF-TNO, Soesterberg, 1981. IRRD 257461.

Riemersma, J.B.J. (1979). Perception in traffic. Urban Ecology 4 (1979) 9: 139-149. IRRD 251548.

Riemersma, J.B.J. (1982). Perceptual cues in vehicle guidance on a straight road. Proc. 2nd Eur. Ann. Conf. on Human Decision Making and Manual Control, Bonn, 1982.

Riemersma, J.B.J.; Biesta, P.W.; Wildervanck, C. (1977). Fatigue and stress due to prolonged driving and changing task demands. SAE Paper 770134. SAE, Detroit, 1977.

Ruijs, P.A.J. (1982). Groeven en katteogen (Grooves and cat's-eyes). Rapport no. 0 203, TH-Delft, Vakgroep Voertuigtechniek. TH-Delft, 1982.

Schreuder, D.A. (1978). The use of yellow longitudinal marking on roads with two-directional traffic. R-78-38. SWOV, 1978. IRRD 247817.

Schreuder, D.A. (1979). Activities of the OECD Research Group on Road Safety at Night; Contribution to Joint Meeting CIE, Kyoto, 1979. R-79-54. SWOV, 1979. Also in: CIE (1980): pp. 472-473.

Schreuder, D.A. (1980a). Lichttechnische Forderungen an Lichtsignalanlagen im Strassenverkehr. R-80-26. SWOV, 1980. Also in: LITG (1980): pp. 157-161.

Schreuder, D.A. (1980b). Traffic signals and vehicle lights. 2nd International Congress on Vision and Road Safety, Paris, November, 1980. R-80-30. SWOV, 1980. IRRD 263326.

Schreuder, D.A. (1980c). Het CIE-congres en de verlichting voor het wegverkeer (The CIE-congres and traffic lighting). R-80-45. SWOV, 1980. Also: Wegen 54 (1980) 12: 390-399.

Schreuder, D.A. (1980d). Profilierte Fahrbahnmarkierungen. R-80-48. SWOV, 1980.

Schreuder, D.A. (1980e). Geprofileerde wegmarkeringen (Grooved road markings). R-80-51. SWOV, 1980. IRRD 261364.

Schreuder, D.A. (1981a). L'efficacité lumineuse des signaux routiers. R-81-9. SWOV, 1981. Also: Lux (1981) 112 (avril): 13-15.

Schreuder, D.A. (1981b). Enige overwegingen omtrent de verlichting van fietsen (Some considerations on bicycle lighting). R-81-14. SWOV, 1981. Also: Verkeerskunde 32 (1981) 5: 244-246. IRRD 255897.

Schreuder, D.A. (1981c). Light signals for road traffic control. R-81-18. SWOV, 1981. Also: Traffic Engineering & Control 22 (1981) 6: 370-371. IRRD 261365.



Schreuder, D.A. (1981d). De signaalfunctie van fietsverlichting (The signalling function of bicycle lighting). R-81-22. SWOV, 1981. IRRD 261196.

Schreuder, D.A. (1981e). Arbeitsausschuss Fahrbahnmarkierungen: Profilierte Fahrbahnmarkierungen. Strassen-Verkehrstechnik 25 (1981) 2: 64-65.

Schreuder, D.A. (1981f). Visibility of road markings on wet road surfaces; A literature study. SCW, Arnhem, 1981. IRRD 257475.

Schreuder, D.A. (1981g). Standardisation of light signals for road traffic control. R-81-36. SWOV, 1981. Also in: Transportation Research Record 811, pp. 14-15.

Schreuder, D.A. (1982a). Zicht op nachtveiligheid (Looking at road safety at night). R-82-4. SWOV, 1982. Also: Reflex (1982) 1: 4-6.

Schreuder, D.A. (1982b). De lichttechnische eigenschappen van lichtgekleurde wegoppervlakken (The reflection of light coloured road surfaces). R-82-39. SWOV, 1982. Also: Wegen 56 (1982) 10: 324-325.

SLG (1982). Bericht, Lichttechnische Gemeinschaftstagung "Licht '82". SLG, Zürich, 1982.

Valeton, J.M.; Vos, J.J. (1979). De leesbaarheid van matrix-verkeersborden in mist in vergelijking tot portaalborden (Legibility of matrix signs compared with overhead signs, in fog). IZF-1979-C10. IZF-TNO, Soesterberg, 1979.

Van Gorkum, F. (1982). De zichtbaarheid van zeven wegmarkeringsmaterialen onderzocht bij nacht en ontij (Research on the wet-night-visibility on seven road marking materials). Wegen 56 (1982): 255-263.

Van Gorkum, F.; Van der Plas, J.J. (1982). Les enrobés drainants en Hollande; Une évaluation. Revue Général des Routes et des Aérodrômes 56 (1982) 587: 77-84.

Van Minnen, J. (1982). Het effect van achterreflector en reflecterende pedalen op de veiligheid van fietsers (The effect of rear and pedal reflectors on the safety of cyclists). R-82-29. SWOV, Leidschendam, 1982.

Van Norren, D. (1981a). Visual acuity in a condition of traffic sign viewing: The effect of luminance changes. Amer. Journ. Optom. 58 (1981) 9: 699-705.

Van Norren, D. (1981b). Informatiedragers langs de weg; Een overzicht van zichtbaarheidsproblemen (Signalization along the road; A survey of visibility problems). IZF-1981-C25. IZF-TNO, Soesterberg, 1981. IRRD 261950.

Vos, J.J.; Alferdinck, J.W.A.M.; Varkevisser, J. (1980). Aanvullende ervaringen met het "negenoo" tram/buslicht (Some further experiments with the tram/bus signal light). IZF-1980-C11. IZF-TNO, Soesterberg, 1980.

Vos, J.J.; Padmos, P. (1980). The validity of interior light level recommendations; Some neglected aspects. P-79-05. In: CIE (1980): pp. 36-45.

Walraven, J. (1979). No additive effects of backgrounds in chromatic induction. Vision Research 19 (1979) 9: 1061-1063.

Walraven, J. (1981). Chromatic induction; Psychophysical studies on signal processing in human colour vision. Thesis. State University Utrecht, 1981.

Walraven, J.; Blokland, N. (1981). Evaluatie van de opvallendheid van borden voor stadsbewegwijzering (Evaluation of the conspicuity of urban directional signs). IZF-TNO, Soesterberg, 1981.

Walraven, J.; Blokland, N. (1982). De bijdrage van achtergrondschilden en zwart-wit geblokte masten tot de opvallendheid van verkeerslichtinstallaties (The contribution of background screens and striped supports to the conspicuity of traffic light installations). IZF-1981-C22. IZF-TNO, Soesterberg, 1982.

Welleman, A.G. (1980). Conflictvrije fasen voor fietsers en bromfietsers in de verkeerslichtenregeling van kruispunten met fietsvoorzieningen binnen de bebouwde kom (Conflict-free phases for cyclists and moped riders on junctions inside the built-up areas with traffic lights and with cycle provisions). R-80-41. SWOV, 1980. IRRD 254215.

Welleman, A.G. (1981). Veiligheidsoverwegingen bij het plaatsen van verkeerslichten (Safety considerations on installation of traffic signals). R-81-35. SWOV, 1981. IRRD 261973.

Welleman, A.G. (1982). Conflictvrije fasen voor (brom)fietsers I en II (Conflict-free phases for cyclists and moped riders I and II). R-82-21 I + II. SWOV, 1982. Also: Verkeerskunde 33 (1982) 5/6: 288-292 and 332-337. IRRD 263309 and 263315.

Wertheim, A.H. (1979). Information processed in ocular pursuit. Thesis. IZF-TNO, Soesterberg, 1979. IRRD 243310.

Wildervanck, C. (1979). De motorrijder; Buitenbeentje in het verkeer (the motor cyclist; The odd one out in traffic). Verkeerskunde 30 (1979) 5: 212-217. IRRD 241417.

Wildervanck, C. (1981). Verhoogde wegmarkering en motorrijders (Raised road marking and motorcycle riders). KNMV, Ten Post, 1981.

Wilson, A. (1982). Criteria voor het plaatsen en verwijderen van verkeerslichten (Criteria for putting up and removing traffic lights). Verkeerskunde 33 (1982) 12: 654-658. IRRD 267095.