

Thomas West

Bibliography

- Belcher, R., & West, T. S. (1951). Mercurous nitrate as a reductimetric reagent. The determination of copper. *Analytica Chimica Acta*, **5**, 364–367.
- Belcher, R., & West, T. S. (1951). Mercurous nitrate as a reductimetric reagent. Stoichiometry of the reaction. *Analytica Chimica Acta*, **5**, 260–267.
- Belcher, R., & West, T. S. (1951). Mercurous nitrate as a reductimetric reagent. The titration of various oxidising agents. *Analytica Chimica Acta*, **5**, 360–363.
- Belcher, R., & West, T. S. (1951). Mercurous nitrate as a reductimetric reagent. The determination of hydroxylamine and nitrates. *Analytica Chimica Acta*, **5**, 546–549.
- Belcher, R., & West, T. S. (1951). Mercurous nitrate as a reductimetric reagent. The interference of the more common cations and anions in the determination of iron. *Analytica Chimica Acta*, **5**, 268–271.
- Belcher, R., & West, T. S. (1951). The determination of trace amounts of hydroquinone. *Analytica Chimica Acta*, **5**, 599–602.
- Belcher, R., & West, T. S. (1951). Mercurous nitrate as a reductimetric reagent. The determination of mercurous mercury. *Analytica Chimica Acta*, **5**, 474–475.
- Belcher, R., & West, T. S. (1951). Mercurous nitrate as a reductimetric reagent. The titration of iron on the micro-scale. *Analytica Chimica Acta*, **5**, 472–473.
- Belcher, R., & West, T. S. (1952). Trivalent manganese as an oxidimetric reagent. *Analytica Chimica Acta*, **6**, 322–332.
- Belcher, R., & West, T. S. (1952). Mercurous nitrate as a reductimetric reagent. The potentiometric titration of ferric iron in the presence of ions forming highly coloured thiocyanates. *Analytica Chimica Acta*, **7**, 470–475.
- Belcher, R., & West, T. S. (1952). The gravimetric determination of copper as cuprous thiocyanate. *Analytica Chimica Acta*, **6**, 337–339.
- Belcher, R., & West, T. S. (1953). A new reagent for the titration of water. *Journal of the Chemical Society*, **2**, 1772–1776.
- Belcher, R., Gibbons, D., & West, T. S. (1954). Quadrivalent uranium as a reducing titrant. *Analytical Chemistry*, **26** (6), 1025–1027.
- Belcher, R., Nutten, A. J., West, T. S., & Whiffen, D. H. (1954). Analytical chemistry. *Annual Reports on the Progress of Chemistry*, **51**, 335–371.
- West, T. S. (1954). Microchemistry applied to chemical analysis. *Research*, **7**, 60.
- Belcher, R., Bevington, J. C., Stephen, W. I., & West, T. S. (1955). Analytical chemistry. *Annual Reports on the Progress of Chemistry*, **52**, 339–379.

- Belcher, R., Gibbons, D., & West, T. S. (1955). The effect of ethylenediaminetetraacetic acid on the ferrous/ferric and cuprous/cupric redox systems. *Analytica Chimica Acta*, **12**, 107–114.
- Belcher, R., Gibbons, D., & West, T. S. (1955). The determination of copper by complexometric titration with ethylenediaminetetraacetic acid. *Analytica Chimica Acta*, **13**, 226–229.
- Belcher, R., Gibbons, D., & West, T. S. (1955). The determination of sulphur in plain carbon steel. *The Analyst*, **80** (955), 751–754.
- Asbury, H., Belcher, R., & West, T. S. (1956). A simple robust ultramicrobalance. *Mikrochimica Acta*, **44** (4–6), 598–618.
- Belcher, R., Sheridan, J., Stephen, W. I., & West, T. S. (1956). Analytical chemistry. *Annual Reports on the Progress of Chemistry*, **53**, 332–382.
- Belcher, R., Bhatty, M. K., & West, T. S. (1957). Submicro-methods for the analysis of organic compounds. Part II. The determination of alkoxy groups. *Journal of the Chemical Society*, **4**, 4480–4482.
- Belcher, R., West, T. S., & Williams, M. (1957). Submicro-methods for the analysis of organic compounds. Part I. The determination of nitrogen. *Journal of the Chemical Society*, **4**, 4323–4328.
- Bailey, D., Dowson, W. M., Harrison, R., & West, T. S. (1958). Studies in qualitative inorganic analysis. IV - A test for the detection of tin-IV. *Mikrochimica Acta*, **46** (1), 137–139.
- Belcher, R., Bhasin, R. L., Shah, R. A., & West, T. S. (1958). 815. Submicro-methods for the analysis of organic compounds. Part V. The determination of sulphur. *Journal of the Chemical Society*, **4**, 4054–4056.
- Belcher, R., Bhatty, M. K., & West, T. S. (1958). 478. Submicro-methods for the analysis of organic compounds. Part III. Determination of N-methyl groups and the simultaneous determination of alkoxy and N-methyl groups. *Journal of the Chemical Society*, **2**, 2393–2396.
- Belcher, R., Close, R. A., & West, T. S. (1958). The complexometric titration of calcium in the presence of magnesium A critical study. *Talanta*, **1** (3), 238–244.
- Belcher, R., Hoyle, W., & West, T. S. (1958). 559. The synthesis of vic.-dioximes from symmetrical ketones. *Journal of the Chemical Society*, **3**, 2743–2745.
- Belcher, R., Leonard, M. A., & West, T. S. (1958). 477. The preparation and analytical properties of NN-di(carboxymethyl) aminomethyl derivatives of some hydroxyanthraquinones. *Journal of the Chemical Society*, **2**, 2390–2393.
- Belcher, R., Macdonald, A. M. G., & West, T. S. (1958). The determination of metals in organic compounds by the closed flask method. *Talanta*, **1** (4), 408–410.

- Belcher, R., Shah, R. A., & West, T. S. (1958). 609. Submicro-methods for the analysis of organic compounds. Part IV. The determination of iodine and bromine. *Journal of the Chemical Society*, **3**, 2998–3002.
- Belcher, R., Thompson, J. H., & West, T. S. (1958). Succinyl chloride as a hydrolytic reagent for the determination of water. *Analytica Chimica Acta*, **19** (C), 148–153.
- Belcher, R., Thompson, J. H., & West, T. S. (1958). The titrimetric determination of carbon dioxide with special reference to the determination of carbon in organic compounds. *Analytica Chimica Acta*, **19** (C), 309–315.
- West, T. S. & Sykes, A.S. (1958). Analytical Applications of Diaminoethanetetraacetic acid. *The British Drug Houses Ltd.*
- Ayers, C. W., Belcher, R., & West, T. S. (1959). Submicro-methods for the analysis of organic compounds. Part VI. The determination of carbon. *Journal of the Chemical Society*, **3**, 2582–2584.
- Belcher, R., Berger, J., & West, T. S. (1959). Submicro-methods for the analysis of organic compounds. Part IX. Titration of organic bases and amine hydrohalides in glacial acetic acid. *Journal of the Chemical Society*, **3**, 2882–2885.
- Belcher, R., Berger, J., & West, T. S. (1959). Submicro-methods for the analysis of organic compounds. Part VIII. Factors associated with submicro-titration in glacial acetic acid. *Journal of the Chemical Society*, **3**, 2877–2882.
- Belcher, R., Bhasin, R. L., & West, T. S. (1959). Submicro-methods for the analysis of organic compounds. Part VII. The determination of nitrogen in heterocyclic compounds and azo-, hydrazo-, and nitro-compounds, and in the presence of other elements. *Journal of the Chemical Society*, **3**, 2585–2587.
- Belcher, R., Hoyle, W., & West, T. S. (1959). Isomeric complexans: The dl and meso forms of 2:3-butanediamine- N:N:N':N'-tetra-acetic acid. *Talanta*, **3** (2), 201–202.
- Belcher, R., Leonard, M. A., & West, T. S. (1959). Submicro-methods for the analysis of organic compounds. Part X. Determination of fluorine. *Journal of the Chemical Society*, **4**, 3577–3579.
- Belcher, R., Leonard, M. A., & West, T. S. (1959). A new spot test for the detection of fluoride ion. *Talanta*, **2** (1), 92–93.
- Hoyle, W., & West, T. S. (1959). Polarographic examination of the chelating power of edta and some closely related chelating agents. *Talanta*, **2** (2), 158–164.
- Hoyle, W., & West, T. S. (1959). The application of zone electrophoresis and polarography to the analysis of complexone mixtures. *Talanta*, **3** (1), 47–53.
- West, T. S. (1959). *Recent Developments in Inorganic and Organic Analytical Chemistry*. R. Inst. Chem., Monograph No1.

West, T. S. (1960). Jaroslav heyrovský nobel prizewinner in chemistry 1959. *Talanta*, **3** (3), 300–301.

Belcher, R., Bhatty, M. K., & West, T. S. (1960). 499. Submicro-methods for the analysis of organic compounds. Part XI. Determination of tertiary nitrogen by use of an ion-exchange resin. *Journal of the Chemical Society*, **2**, 2473–2475.

Belcher, R., Ottendorfer, L., & West, T. S. (1960). Acid chlorides of substituted succinic and glutaric acids as hydrolytic reagents for the determination of water. *Talanta*, **4** (3), 166–173.

Belcher, R., Serrano-Berges, L., & West, T. S. (1960). 759. Submicro-methods for the analysis of organic compounds. Part XII. Determination of carboxyl group. *Journal of the Chemical Society*, **3**, 3830–3834.

Close, R. A., & West, T. S. (1960). A new selective metallochromic reagent for the detection and chelatometric determination of calcium. *Talanta*, **5** (3–4), 221–230.

Close, R. A., & West, T. S. (1960). Acid Alizarin Black SN metallochromic indicator for calcium. *Analytica Chimica Acta*, **23**, 261–267.

Close, R. A., & West, T. S. (1960). Photometric titration of calcium in blood serum with Acid Alizarin Black SN as metallochromic indicator. *Analytica Chimica Acta*, **23**, 370–374.

Leonard, M. A., & West, T. S. (1960). 866. Chelating reactions of 1,2-dihydroxyanthraquinon-3-ylmethyl-amine-NN-diacetic acid with metal cations in aqueous media. *Journal of the Chemical Society*, **4**, 4477–4486.

Baaz, M., Gutmann, V., Talaat,, A. & West, T.S. (1961). Chloridionenüberdng in Phenylphosphoroxychlorid, 2 Mitt. *Monatshefte Fur Chemie*, **92**, 150.

Baaz, M., Gutmann, V. & West, T.S. (1961). Chloridionenüberdng.in Phenylphosphoroxychlorid, 3 Mitt. *Monatshefte Fur Chemie*, **92**, 164.

Baaz, M., Gutmann, V., Hubner, L., Mairinger, F. & West, T. S. (1961). Über das Amphotere verhalten von Aluminium Chlorid in Phosphoroxychlorid und Phenylphosphoroxychlorid. *Zeitschrift Für Anorganische Und Allgemeine Chemie*, **31**, 302.

Belcher, R., Hoyle, W., & West, T. S. (1961). 133. The synthesis of chelating agents related to cyclohexane-1,2-diamine- NNN'N'-tetra-acetic acid. *Journal of the Chemical Society*, **1**, 667–670.

Belcher, R., & West, T. S. (1961). A study of the ceriumiii-alizarin complexan-fluoride reaction. *Talanta*, **8** (12), 853–862.

Belcher, R., & West, T. S. (1961). A comparative study of some lanthanon chelates of alizarin complexan as reagents for fluoride. *Talanta*, **8** (12), 863–870.

- Dagnall, R. M., & West, T. S. (1961). The spectrophotometric determination of trace amounts of silver. *Talanta*, **8** (10), 711–719.
- Hoyle, W., Sanderson, I. P., & West, T. S. (1961). Polarographic resolution of mixtures of complexans. *Journal of Electroanalytical Chemistry*, **2** (2), 166–173.
- West, T. S. (1961). Separation of traces of inorganic ions from aqueous solutions by gas-, liquid- and solid-phase distribution procedures. *Analytica Chimica Acta*, **25** (5), 405–421.
- West, T. S. (1961). An examination of some aspects of increasing selectivity in chelatometry. *Analytica Chimica Acta*, **25** (4), 301–312.
- Belcher, R., Ramakrishna, T. V, & West, T. S. (1962). 4-(2-Pyridylazo)resorcinol as a selective and sensitive spectrophotometric reagent for niobiumv. *Talanta*, **9** (11), 943–945.
- Betteridge, D., & West, T. S. (1962). An ion-association system for the selective extraction of mugram amounts of silver from aqueous solution. *Analytica Chimica Acta*, **26**, 101–109.
- Betteridge, D., & West, T. S. (1962). The effect of some anions on the spectrophotometric absorption of bis-(di-n-octylethylenediamine)-CuIIcomplexes in hexone. *Talanta*, **9** (5), 456–458.
- Cabrera, A. M., & West, T. S. (1962). Chelating action of thioglycollic acid with silver and some common bivalent cations. *Talanta*, **9** (8), 730–733.
- Dagnall, R. M., & West, T. S. (1962). The polarography of silver. *Talanta*, **9** (11), 925–929.
- Dagnall, R. M., & West, T. S. (1962). Direct spectrophotometry of silver in a non-aqueous medium. *Analytica Chimica Acta*, **27** (C), 9–14.
- Hoyle, W., Sanderson, I. P., & West, T. S. (1962). Masking action of complexans on qualitative inorganic reactions. *Analytica Chimica Acta*, **26**, 290–300.
- Sanderson, I. P., & West, T. S. (1962). Selective chelatometry of copperIIwith ethylenediamine- N,N,N',N'-tetra-n-propionic acid. *Talanta*, **9** (1), 71–72.
- West, T. S. (1962). The search for new reagents for absorptiometry: Some practical considerations. *The Analyst*, **87** (1037), 630–636.
- West, T. S. (1962). Analytical Chemistry in the University. *Chemistry and Industry*, April 7, 644–647.
- Belcher, R., Ramakrishna, T. V, & West, T. S. (1963). Absorptiometric determination of niobiumvwith 4-(2-pyridylazo)-resorcinol as reagent. *Talanta*, **10** (9), 1013–1022.
- Belcher, R., Ramakrishna, T. V. and West, T. S. (1963). A new colour reaction of Nb(V) with bromopyrogallol red. *Chemistry & Industry*, 531.

- Cabrera, A. M., & West, T. S. (1963). A New Spectrophotometric Reaction. *Analytical Chemistry*, **35** (3), 311–313.
- Herrero-Lancina, M., & West, T. S. (1963). Sensitive and Selective Spectrophotometric Reaction for Determination of Trace Amounts of Calcium. *Analytical Chemistry*, **35** (13), 2131–2135.
- Sanderson, I. P., & West, T. S. (1963). An investigation of the chelatometry of CuII with ethylenediamine-N,N',N',N-tetra-n-propionic acid. *Talanta*, **10** (3), 247–254.
- Belcher, R., Dagnall, R. M., & West, T. S. (1964). An examination of the atomic absorption spectroscopy of silver. *Talanta*, **11** (8), 1257–1263.
- Belcher, R., Wilson, C.L., & West, T.S. (1964) *New Methods in Analytical Chemistry*. London: Chapman and Hall.
- Dagnall, R. M., & West, T. S. (1964). A selective and sensitive colour reaction for silver. *Talanta*, **11** (11), 1533–1541.
- Dagnall, R. M., & West, T. S. (1964). Observations on the atomic absorption spectroscopy of lead in aqueous solution, in organic extracts and in gasoline. *Talanta*, **11** (11), 1553–1557.
- Dagnall, R. M., & West, T. S. (1964). A selective extraction system for trace amounts of silver. *Talanta*, **11** (12), 1633–1639.
- West, T. S. (1964). Organic polarography. *Chemistry and Industry, November 14*, 1907–1909.
- Belcher, R., Davies, D. H., & West, T. S. (1965). The direct determination of oxygen in organic compounds. A study of various modifications. *Talanta*, **12** (1), 43–53.
- Belcher, R., Macdonald, A. M. G., Phang, S. E., & West, T. S. (1965). 364. Submicro-methods for the analysis of organic compounds. Part XX. The determination of phosphorus and arsenic. *Journal of the Chemical Society*, **2**, 2044–2048.
- Belcher, R., Ramakrishna, T. V., & West, T. S. (1965). Spectrophotometric determination of niobium(V) with bromopyrogallol red. *Talanta*, **12** (7), 681–690.
- Burriel, F. Cabrera, A. M. & West, T. S. (1965). El negro sulfon Solido f como reactivo espectrofotometrico de cationes. Effecte del ion manganoso sobre la reaccion con diferentes cationes. *Anales de la Sociedad Española de Física y Química*, **618**, 701.
- Burriel, F., Cabrera, A. M., & West, T. S. (1965). El negro sulfon Solido f como reactivo espectrofotometrico de cationes. III. Aplicacion a la determinacion de Co(II). *Anales de la Sociedad Española de Física y Química*, **618**, 703.
- Burriel Martí, F., Cabrera, A. M., & West, T. S. (1965) El negro sulfon Solido f como reactivo espectrofotometrico de cationes.. IV. Aplicacion a la determinacion de niquel. *Anales de la Sociedad Española de Física y Química*, **618**, 839.

- Dagnall, R. M., Smith, R., & West, T. S. (1965) Spectrofluorescence of aluminium and gallium with salicylidene-o-aminophenol. *Chemistry and Industry*, 1499.
- Dagnall, R. M., West, T. S., & Young, P. (1965). Determination of lead with 4-(2-pyridylazo)-resorcinol-I. Spectrophotometry and solvent extraction. *Talanta*, **12** (6), 583–588.
- Dagnall, R. M., West, T. S., & Young, P. (1965). Determination of lead with 4-(2-pyridylazo)-resorcinol-II1 Part I : see reference 7. Application to steel, brass and bronze. *Talanta*, **12** (6), 589–592.
- Dagnall, R. M., West, T. S., & Young, P. (1965). The determination of aluminium in plain carbon steel. *The Analyst*, 13–18.
- Hosain, M., & West, T. S. (1965). Spectrophotometric determination of copper(ii) with acid alizarin black s.n. *Analytica Chimica Acta*, **33**, 164–172.
- Kirkbright, G. F., West, T. S., & Woodward, (1965). Spectrofluorimetric determination of microgram amounts of thallium. *Talanta*, **12** (5), 517–524.
- Kirkbright, G. F., West, T. S., & Woodward, C. (1965). Spectrofluorometric determination of submicrogram amounts of aluminum and beryllium with 2-hydroxy-3-naphthoic acid. *Analytical Chemistry*, **37** (1), 137–143.
- West, T. S. (1965) Spectrofluorimetry as a trace analytical technique -I- General considerations. *Laboratory Practice*, 922.
- West, T. S. (1965) Spectrofluorimetry as a trace analytical technique –II- Apparatus and Techniques. *Laboratory Practice*, 1030.
- Kusakul, P., & West, T. S. (1965). A spectrophotometric method for the determination of thorium with acid alizarin black Sn. *Analytica Chimica Acta*, **32**, 301–308.
- Bailey, B. W., Dagnall, R. M., & West, T. S. (1966). Analytical applications of ternary complexes-II. Spectrophotometric determination of copper as rose bengal bisphenanthrolinium copper(II). *Talanta*, **13** (5), 753–761.
- Bailey, B. W., Dagnall, R. M., & West, T. S. (1966). Analytical applications of ternary complexes-III1 Part II: Talanta, 1966, 13, 753. A spectrofluorimetric method for the determination of submicrogram amounts of copper. *Talanta*, **13** (12), 1661–1665.
- Christopher, D. H., & West, T. S. (1966). Spectrophotometric determination of antimony with bromopyrogallol red. *Talanta*, **13** (3), 507–513.
- Dagnall, R. M., El-Ghamry, M. T., & West, T. S. (1966). Analytical applications of ternary complexes-IV11 Part III: Talanta, 1966, 13, 1661. Titration of macro- and micro-amounts of cyanide. *Talanta*, **13** (12), 1667–1671.

- Dagnall, R. M., Smith, R., & West, T. S. (1966). Spectrofluorimetric determination of submicrogram amounts of aluminium using salicylidene-o-aminophenol. *Talanta*, **13** (4), 609–617.
- Dagnall, R. M., Smith, R., & West, T. S. (1966). Spectrofluorescence of the magnesium complexes of some quadridentate azomethines. *Journal of the Chemical Society A: Inorganic, Physical, Theoretical*, 1595–1598.
- Dagnall, R. M., Thompson, K. C., & West, T. S. (1966). An investigation of some experimental parameters in atomic fluorescence spectrophotometry. *Analytica Chimica Acta*, **36**, 269–277.
- Dagnall, R. M., West, T. S., & Young, P. (1966). Determination of cadmium by atomic-fluorescence and atomic-absorption spectrophotometry. *Talanta*, **13** (6), 803–808.
- Dagnall, R. M., West, T. S., & Young, P. (1966). Determination of Trace Amounts of Lead in Steels, Brass, and Bronze Alloys by Atomic Absorption Spectrometry. *Analytical Chemistry*, **38** (2), 358–360.
- Djurkin, V., Kirkbright, G. F., & West, T. S. (1966). A sensitive and selective spectrophotometric procedure for the determination of phosphorus. *The Analyst*, **91** (1079), 89–93.
- Kirkbright, G. F., Peters, M. K., & West, T. S. (1966). Determination of small amounts of molybdenum in niobium and tantalum by atomic-absorption spectroscopy in a nitrous oxide-acetylene flame. *The Analyst*, **91** (1088), 705–708.
- Kirkbright, G. F., Peters, M. K., & West, T. S. (1966). Determination of trace amounts of copper in niobium and tantalum by atomic-absorption spectroscopy. *The Analyst*, **91** (1084), 411–417.
- Kirkbright, G. F., Smith, A. M., & West, T. S. (1966). Rapid determination of molybdenum in alloy steels by atomic-absorption spectroscopy in a nitrous oxide-acetylene flame. *The Analyst*, **91** (1088), 700–704.
- Kirkbright, G. F., West, T. S., & Woodward, C. (1966). Some spectrofluorimetric applications of the cerium(IV)-cerium(III) system. *Analytica Chimica Acta*, **36**, 298–303.
- Kirkbright, G. F., West, T. S., & Woodward, C. (1966). Carminic acid as a reagent for the spectrofluorimetric determination of molybdenum and tungsten-I. Development of procedures. *Talanta*, **13** (12), 1637–1644.
- Kirkbright, G. F., West, T. S., & Woodward, C. (1966). Carminic acid as a reagent for the spectrofluorimetric determination of molybdenum and tungsten-II11 Part I: Talanta, 1966, 13, 1637. Determination of molybdenum in mild steel. *Talanta*, **13** (12), 1645–1647.

Kirkbright, G. F., West, T. S., & Woodward, C. (1966). Spectrofluorimetric determination of microgram amounts of scandium. Part II. Separation by solvent extraction. *The Analyst*, **91** (1078), 23–26.

West, T. S. (1966). Some sensitive and selective reactions in inorganic spectroscopic analysis. *The Analyst*, **91** (1079), 69–77.

West, T. S. (1966). *Inorganic Trace Analysis: Inaugural Lecture, Professor of Analytical Chemistry, Imperial College of Science and Technology, University of London*, 29 January, 221–245.

Alger, D., Kirkbright, G. F., Mayhew, M. D., & West, T. S. (1967). A transistorised linear-to-logarithmic signal converter for use with recording spectrophotometers. *Analytica Chimica Acta*, **39** (C), 125–128.

Ani, M. J. A., Dagnall, R. M., & West, T. S. (1967). Communications. The preparation of metal halide-mercury microwave-excited electrodeless discharge tubes as spectral-line sources. *Analyst*, **92**, 597–598.

Christopher, D. H., & West, T. S. (1967). Research topics in Analytical Chemistry: Some current work in universities and colleges of advanced technology. An investigation of the analytical potentialities of the phototropic effect. *Proceedings of the Society for Analytical Chemistry*, **4** (10), 158–160.

Dagnall, R. M., Smith, R., & West, T. S. (1967). A specific spectrofluorimetric determination of terbium as its EDTA-sulphosalicylic acid complex. *The Analyst*, 358–363.

Dagnall, R. M., Smith, R., & West, T. S. (1967). The spectrofluorimetric determination of magnesium with NN'-bis-salicylidene-2,3-diaminobenzofuran. *The Analyst*, **92** (1090), 20–26.

Dagnall, R. M., Thompson, K. C., & West, T. S. (1967). Molecular-emission spectroscopy in cool flames. Part I. the behaviour of sulphur species in a hydrogen-nitrogen diffusion flame and in a shielded air-hydrogen flame. *The Analyst*, **92** (1097), 506–512.

Dagnall, R. M., Thompson, K. C., & West, T. S. (1967). Studies in atomic-fluorescence spectroscopy-VI11 Part V-Talanta, 1967, 14, 1151. The fluorescence characteristics and analytical determination of bismuth with an iodine electrodeless discharge tube as source. *Talanta*, **14** (12), 1467–1475.

Dagnall, R. M., Thompson, K. C., & West, T. S. (1967). Studies in atomic-fluorescence spectroscopy-III11 PartIII-R.M. Dagnall, K.C. Thompson and T.S. West, Anal. Chim. Acta, 1966, 36, 269. Microwave-excited electrodeless discharge tubes as spectral sources for atomic-fluorescence and atomic-absorption spectros. *Talanta*, **14** (5), 551–555.

Dagnall, R. M., Thompson, K. C., & West, T. S. (1967). Studies in atomic-fluorescence spectroscopy-IV11 Part III-R.M. Dagnall, K.C. Thompson and T.S. West, Talanta, 1967, 14, 551. The atomic-fluorescence spectroscopic determination of selenium and tellurium. *Talanta*, **14** (5), 557–563.

Dagnall, R. M., Thompson, K. C., & West, T. S. (1967). Studies in atomic-fluorescence spectroscopy-VII Part IV-Talanta, 1967, 14, 557. The fluorescence characteristics and determination of antimony. *Talanta*, **14** (10), 1151–1156.

Dagnall, R. M., Thompson, K. C. & West, T. S. (1967). The use of microwave excited electrodeless discharge tubes as spectrals Sources in atomic absorption spectroscopy. *Atomic Absorption Newsletter*, **61**.

Dagnall, R. M., West, T. S., & Young, P. (1967). The catechol violet colour reaction for tin(IV) sensitised by cetyltrimethylammonium bromide. *The Analyst*, **92** (1090), 27–30.

Hingle, D. N., Kirkbright, G. F., & West, T. S. (1967). Some observations on the determination of mercury by atomic-absorption spectroscopy in an air-acetylene flame. *The Analyst*, 759–762.

Kirkbright, G. F., Peters, M. K., & West, T. S. (1967). Emission spectra of nitrous oxide supported acetylene flames at atmospheric pressure. *Talanta*, **14** (7), 789–800.

Kirkbright, G. F., Semb, A., & West, T. S. (1967). Spectroscopy in separated flames-I. The use of the separated air-acetylene flame in thermal emission spectroscopy. *Talanta*, **14** (9), 1011–1019.

Kirkbright, G. F., Smith, A. M., & West, T. S. (1967). An indirect sequential determination of phosphorus and silicon by atomic-absorption spectrophotometry. *The Analyst*, **92** (1096), 411–416.

Marshall, G. B., & West, T. S. (1967). Determination of traces of calcium, magnesium, iron and nickel in aluminium salts by atomic-absorption spectrophotometry with a microwave-excited source and hollow-cathode lamps. *Talanta*, **14** (7), 823–831.

West, T. S. (1967). Recent developments in complexometric titration. *Proceedings of the Society for Analytical Chemistry*, **4** (8), 133–134.

West, T. S. (1967). Atomic analysis in flames. *Endeavour*, **26**, 44.

Aldous, K. M., Dagnall, R. M., Thompson, K. C., & West, T. S. (1968). Some preliminary studies of the analytical potentialities of the atomic-hydrogen plasma torch. *Analytica Chimica Acta*, **41** (C), 380–384.

Bailey, B. W., Chester, J. E., Dagnall, R. M., & West, T. S. (1968). Analytical applications of ternary complexes-VIII Part VI-Talanta, 1968, 15, 1353. Elucidation of mode of formation of sensitized metal-chelate systems and determination of molybdenum and antimony. *Talanta*, **15** (12), 1359–1369.

Buděšínský, B., & West, T. S. (1968). 1-dicarboxymethylaminomethyl-2-hydroxy-3-naphthoic acid as a sensitive and selective fluorimetric reagent for beryllium, and for lanthanum and lutetium in presence of the other lanthanides. *Analytica Chimica Acta*, **42**, 455–465.

- Cresser, M. S., & West, T. S. (1968). Studies in the analytical chemistry of selenium: Absorptiometric determination with 2-mercaptopbenzoic acid. *The Analyst*, **93** (1110), 595–600.
- Dagnall, R. M., El-Ghamry, M. T., & West, T. S. (1968). Analytical applications of ternary complexes-V11 Part IV-Talanta, 1966, 13, 1667. Indirect spectrophotometric determination of cyanide. *Talanta*, **15** (1), 107–110.
- Dagnall, R. M., El-Ghamry, M. T., & West, T. S. (1968). Analytical applications of ternary complexes-VI11 Part V, Talanta, 1968, 15, 107. Spectrophotometric determination of trace amounts of palladium. *Talanta*, **15** (12), 1353–1357.
- Dagnall, R. M., Pratt, S. J., Smith, R., & West, T. S. (1968). The fluorescence quantum efficiencies of some analytically useful chelate complexes. *The Analyst*, **93** (1111), 638–642.
- Dagnall, R. M., Přibil Jr., R., & West, T. S. (1968). Preparation of microwave-excited electrodeless discharge tubes for titanium, vanadium and zirconium for use as spectral-line sources. *The Analyst*, **93** (1106), 281–285.
- Dagnall, R. M., Taylor, M. R. G., & West, T. S. (1968). Some Detection Limits in Atomic Fluorescence Spectroscopy with Micro Wave Excited Electrodeless Discharge Tubes as Excitation Sources. *Spectroscopy Letters*, **1** (12), 397–405.
- Dagnall, R. M., Thompson, K. C., & West, T. S. (1968). Molecular-emission spectroscopy in cool flames. Part II. The behaviour of phosphorus-containing compounds. *The Analyst*, **72**.
- Dagnall, R. M., Thompson, K. C., & West, T. S. (1968). Studies in atomic-fluorescence spectroscopy-VII. Fluorescence and analytical characteristics of arsenic, with a microwave excited electrodeless discharge tube as source. *Talanta*, **15** (7), 677–687.
- Dagnall, R. M., Thompson, K. C., & West, T. S. (1968). Molecular-emission spectroscopy in cool flames. Part III. The emission characteristics of tin in diffusion flames. *The Analyst*, **93** (1109), 518–521.
- Dagnall, R. M., Thompson, K. C., & West, T. S. (1968). The nitrous oxide-hydrogen flame in spectroscopic analysis. *The Analyst*, **93** (1104), 153–157.
- Dagnall, R. M., Thompson, K. C., & West, T. S. (1968). The thermal and atomic-fluorescence emission of germanium in a nitrogen-oxygen-acetylene flame. *Analytica Chimica Acta*, **41**, 551–554.
- Dagnall, R. M., & West, T. S. (1968). Some applications of microwave-excited electrodeless discharge tubes in atomic spectroscopy. *Applied Optics*, **7** (7), 1287–1294.
- Fleet, B., Liberty, K. V., & West, T. S. (1968). Determination of trace amounts of cobalt in alumina by atomic-absorption spectroscopy. *The Analyst*, **93** (1112), 701–708.

- Fleet, B., Soe-Win, & West, T. S. (1968). Rapid visual compleximetric titration of calcium in natural waters. *Talanta*, **15** (3), 333–337.
- Hingle, D. N., Kirkbright, G. F., & West, T. S. (1968). The determination of beryllium by thermal-emission and atomic-fluorescence spectroscopy in a separated nitrous oxide-acetylene flame. *The Analyst*, **93** (1109), 522–527.
- Hingle, D. N., Kirkbright, G. F., & West, T. S. (1968). Spectroscopy in separated flames-II. The use of the separated air-acetylene flame in long path atomic absorption spectroscopy. *Talanta*, **15** (2), 199–206.
- Hobbs, R. S., Kirkbright, G. F., Sargent, M., & West, T. S. (1968). Spectroscopy in separated flames-IV. Application of the nitrogen-separated air-acetylene flame in flame-emission and atomic-fluorescence spectroscopy. *Talanta*, **15** (10), 997–1007.
- Kirkbright, G. F., Mayhew, M. D., & West, T. S. (1968). Spectrophotometric Determination of Microgram Amounts of Tantalum with Victoria Blue B. *Analytical Chemistry*, **40** (14), 2210–2212.
- Kirkbright, G. F., Peters, M. K., Sargent, M., & West, T. S. (1968). Temperature profiles in nitrous oxide supported acetylene flames at atmospheric pressure. *Talanta*, **15** (7), 663–675.
- Kirkbright, G. F., Semb, A., & West, T. S. (1968). Spectroscopy in separated flames-III11 Part II: Talanta, 1968, 15, 199. Use of the separated nitrous oxide-acetylene flame in thermal emission spectroscopy. *Talanta*, **15** (5), 441–450.
- Kirkbright, G. F., Semb, A., & West, T. S. (1968). The separated nitrous oxide-acetylene flame as an atom reservoir in thermal emission spectroscopy. *Spectroscopy Letters*, **1** (1), 7–11.
- Kirkbright, G. F., Smith, A. M., & West, T. S. (1968). An indirect amplification procedure for the determination of niobium by atomic-absorption spectroscopy. *The Analyst*, **93** (1106), 292–297.
- Kirkbright, G. F., Smith, A. M., & West, T. S. (1968). A selective amplification-titration procedure for the determination of microgram amounts of phosphate. *The Analyst*, **93** (1105), 224–227.
- Kirkbright, G. F., & West, T. S. (1968). The application of separated flames in analytical flame spectroscopy. *Applied Optics*, **7** (7), 1305–1312.
- West, T. S., Semb, A., & Kirkbright, G. F. (1968). Detection limits for thermal emission spectroscopy in a separated nitrous oxide-acetylene flame. *Spectroscopy Letters*, **1** (2), 97–102.
- West, T. S., & Williams, X. K. (1968). Atomic Fluorescence Spectroscopy of Silver Using a High-Intensity Hollow Cathode Lamp as Source. *Analytical Chemistry*, **40** (2), 335–339.

- West, T. S., & Williams, X. K. (1968). Atomic-fluorescence spectroscopy of magnesium with a high-intensity hollow-cathode lamp as line source. *Analytica Chimica Acta*, **42**, 29–37.
- Aldous, K. M., Dagnall, R. M., Pratt, S. J., & West, T. S. (1969). Microwave excited electrodeless discharge tubes containing organo-sulfur and phosphorus compounds. *Analytical Chemistry*, **41** (13), 1851–1853.
- Aldous, K. M., Dagnall, R. M., & West, T. S. (1969). Preparation and spectral characteristics of microwave-excited electrodeless discharge tubes for palladium, silver, platinum and gold. *The Analyst*, **94** (1118), 347–353.
- Aldous, K. M., Dagnall, R. M., & West, T. S. (1969). The preparation of electrodeless discharge tubes for some alkali and alkaline earth elements. *Analytica Chimica Acta*, **44** (2), 457–460.
- Booth, M. D., Fleet, B., Win, S., & West, T. S. (1969). Investigation of some continuous voltammetric sensors for the determination of calcium in the presence of magnesium. *Analytica Chimica Acta*, **48** (2), 329–337.
- Browner, R. F., Dagnall, R. M., & West, T. S. (1969). The determination of tin by atomic fluorescence spectroscopy, with an electronically modulated electrodeless discharge tube as source. *Analytica Chimica Acta*, **46** (2), 207–216.
- Browner, R. F., Dagnall, R. M., & West, T. S. (1969). Studies in atomic-fluorescence spectroscopy-VIII. Atomic fluorescence and atomic absorption of thallium and mercury with electrodeless discharge tubes as sources. *Talanta*, **16** (1), 75–81.
- Browner, R. F., Dagnall, R. M., & West, T. S. (1969). Electronically modulated microwave-excited electrodeless discharge tubes as sources in atomic absorption spectroscopy. *Analytica Chimica Acta*, **45** (1), 163–170.
- Budesinsky, B., & West, T. S. (1969). 3,5'-Bis(dicarboxymethylaminomethyl)-4,4'-dihydroxy-trans-stilbene as a selective spectrofluorimetric reagent for cadmium. *The Analyst*, **94** (1116), 182–188.
- Buděšínský, B., & West, T. S. (1969). 1,5-bis(dicarboxymethylaminomethyl)-2,6-dihydroxynaphthalene as a selective spectrofluorimetric reagent for calcium. *Talanta*, **16** (3), 399–406.
- Cabello-Tomas, M. L., & West, T. S. (1969). Kinetochromic spectrophotometry-I. Determination of fluoride by catalysis of the zirconium-xylenol orange reaction. *Talanta*, **16** (7), 781–788.
- Cresser, M. S., & West, T. S. (1969). Determination of Selenium by Atomic Fluorescence in an Air-Acetylene Flame with an Integrating Atomic Emission Spectrophotometer Using Automatic Background Correction. *Spectroscopy Letters*, **2** (1), 9–12.
- Cresser, M. S., & West, T. S. (1969). Spectrophotometric determination of selenium with cyclohexanone. *Talanta*, **16** (3), 416–419.

- Dagnall, R. M., Kirkbright, G. F., West, T. S., & Wood, R. (1969). The determination of silicon by flame photometry and atomic fluorescence spectroscopy with a separated nitrous oxide-acetylene flame. *Analytica Chimica Acta*, **47** (3), 407–413.
- Dagnall, R. M., Pratt, S. J., West, T. S., & Deans, D. R. (1969). The microwave-excited emissive detector in gas-phase chromatography-I. Some studies with sulphur compounds. *Talanta*, **16** (7), 797–806.
- Dagnall, R. M., Přibil Jr., R., & West, T. S. (1969). Berichtigungen. *Fresenius' Zeitschrift Für Analytische Chemie*, **248** (5–6), 424.
- Dagnall, R. M., Smith, D. J., Thompson, K. C., & West, T. S. (1969). Emission spectra obtained from the combustion of organic compounds in hydrogen flames. *The Analyst*, **94** (1123), 871–878.
- Dagnall, R. M., Thompson, K. C., & West, T. S. (1969). Molecular-emission spectroscopy in cool flames. Part IV. the determination of chloride, bromide and iodide by thermal-emission spectroscopy in the presence of indium salts. *The Analyst*, **94** (1121), 643–652.
- Ebdon, L., Kirkbright, G. F., & West, T. S. (1969). The determination of Iron by atomic fluorescence spectroscopy with a modulated microwave-excited electrodeless discharge tube. *Analytica Chimica Acta*, **47** (3), 563–568.
- Fleet, B., Liberty, K. V., & West, T. S. (1969). The atomic fluorescence spectroscopy of cobalt with a high-intensity hollow-cathode lamp and a microwave-excited electrodeless discharge tube as source. *Analytica Chimica Acta*, **45** (2), 205–211.
- Fleet, B., Win, S., & West, T. S. (1969). Polarographic determination of calcium and magnesium. *The Analyst*, **94** (1117), 269–274.
- Fleet, B., Win, S., & West, T. S. (1969). The polarographic behaviour of ethyleneglycol-bis-β-aminoethylether-N,N,N'N'-tetraacetic acid. *Journal of Electroanalytical Chemistry*, **21** (3), 541–546.
- Hems, R. V., Kirkbright, G. F., & West, T. S. (1969). Kinetochromic spectrophotometry-II. Determination of sulphate by catalysis of the zirconium-methylthymol blue reaction. *Talanta*, **16** (7), 789–796.
- Hingle, D. N., Kirkbright, G. F., Sargent, M., & West, T. S. (1969). Shielded flame emission burner assembly for use with atomic absorption spectrophotometers. *Laboratory Practice*, **18** (10), 1069–1070.
- Hingle, D. N., Kirkbright, G. F., & West, T. S. (1969). The atomic-emission spectroscopy of the rare earth elements in a separated nitrous oxide-acetylene flame. *The Analyst*, **94** (1123), 864–870.
- Hobbs, R. S., Kirkbright, G. F., & West, T. S. (1969). An investigation of the performance of the separated air-acetylene flame in thermal-emission spectroscopy. *The Analyst*, **94** (1120), 554–562.

- Kirkbright, G. F., Rao, A. P., & West, T. S. (1969). Indirect Amplification Determination of Thorium by Atomic Absorption Spectroscopy. *Spectroscopy Letters*, **2** (3), 69–74.
- Kirkbright, G. F., Rao, A. P., & West, T. S. (1969). The determination of silicon in low alloy steels by atomic fluorescence spectroscopy in a separated nitrous oxide-acetylene flame. *Analytical Letters*, **2** (9), 465–471.
- Kirkbright, G. F., Sargent, M., & West, T. S. (1969). Spectroscopy in separated flames-VI. The argon or nitrogen-sheathed nitrous oxide-acetylene flame in atomic-absorption spectroscopy. *Talanta*, **16** (11), 1467–1475.
- Kirkbright, G. F., Sargent, M., & West, T. S. (1969). Spectroscopy in separated flames-V. The argon- or nitrogen-sheathed nitrous oxide-acetylene flame in flame emission spectroscopy. *Talanta*, **16** (2), 245–253.
- Kirkbright, G. F., Saw, C. G., Thompson, J. V., & West, T. S. (1969). Determination of trace amounts of antimony by spectrofluorimetry in hydrobromic acid medium at liquid nitrogen temperature. *Talanta*, **16** (7), 1081–1084.
- Kirkbright, G. F., Saw, C. G., & West, T. S. (1969). Fluorescence characteristics of inorganic complexes in hydrochloric acid medium at liquid-nitrogen temperature. *Talanta*, **16** (1), 65–73.
- Kirkbright, G. F., Saw, C. G., & West, T. S. (1969). The determination of trace amounts of tellurium by inorganic spectrofluorimetry at liquid nitrogen temperature. *The Analyst*, **94** (1119), 457–460.
- Kirkbright, G. F., Saw, C. G., & West, T. S. (1969). Low-temperature fluorescence of some bromide-ion association complexes in hydrobromic acid glasses at -196°C. *The Analyst*, **94** (1120), 538–542.
- Kirkbright, G. F., Smith, A. M., & West, T. S. (1969). A rapid indirect titrimetric determination of microgram amounts of orthophosphate. *The Analyst*, **94** (1117), 321–323.
- Kirkbright, G. F., Smith, A. M., West, T. S., & Wood, R. (1969). An indirect amplification procedure for the determination of titanium by atomic-absorption spectroscopy. *The Analyst*, **94** (1122), 754–759.
- Ramakrishna, T. V, Rahim, S. A., & West, T. S. (1969). Solvent extraction-absorptiometric determination of niobium in steels with bromopyrogallol red. *Talanta*, **16** (7), 847–853.
- West, T. S. (1969). Comparison of sensitivity of atomic-absorption and atomic-fluorescence spectroscopy. *Spectroscopy Letters*, **2** (6), 179–183.
- West, T. S. (1969). Amalgamation of chemical societies in the United Kingdom. *Proceedings of the Society for Analytical Chemistry*, **6** (11), 195.
- West, T. S. (1969). Complexometry with EDTA and related reagents. BDH Publications, Poole.

West, T. S. & Fennell, R. W. (1969). Recommendations for the presentation of the results of chemical analysis. *Journal of Pure & Applied Chemistry* (IUPAC), **18**, 439.

West, T. S. (1969). Atomic flame spectroscopy in trace analysis. Part 1: Atomic-absorption spectroscopy. *Minerals Science & Engineering*, **1**, 44.

West, T. S., & Williams, X. K. (1969). Atomic absorption and fluorescence spectroscopy with a carbon filament atom reservoir. Part I. Construction and operation of atom reservoir. *Analytica Chimica Acta*, **45** (1), 27–41.

Alder, J. F., Thompson, K. C., & West, T. S. (1970). Some observations on the chemiluminescence of atoms in acetylene flames supported by air and argon-oxygen mixtures. *Analytica Chimica Acta*, **50** (3), 383–397.

Alder, J. F., & West, T. S. (1970). Atomic absorption and fluorescence spectroscopy with a carbon-filament atom reservoir. Part III. A study of the determination of cadmium by atomic fluorescence spectroscopy with an unenclosed atom reservoir. *Analytica Chimica Acta*, **51** (3), 381–385.

Aldous, K. M., Browner, R. F., Dagnall, R. M., & West, T. S. (1970). Application of Capillary Burners in Flame Spectrometry. *Analytical Chemistry*, **42** (8), 939–941.

Aldous, K. M., Dagnall, R. M., Ebdon, L. C., & West, T. S. (1970). Some preliminary studies concerning the analytical potentialities of an augmented diffusion flame. *Analytica Chimica Acta*, **50** (2), 335–337.

Aldous, K. M., Alger, D., Dagnall, R. M., & West, T. S. (1970). Observations on the preparation and operation of microwave excited electrodeless discharge tubes for use in atomic spectroscopy. *Laboratory Practice*, **19**, 587.

Aldous, K. M., Dagnall, R. M., & West, T. S. (1970). The flame-spectroscopic determination of sulphur and phosphorus in organic and aqueous matrices by using a simple filter photometer. *The Analyst*, **95** (1130), 417–424.

Anderson, R. G., Maines, I. S., & West, T. S. (1970). Atomic absorption and fluorescence spectroscopy with a carbon-filament atom reservoir. Part II. use of the atom reservoir in atomic fluorescence spectroscopy. *Analytica Chimica Acta*, **51** (3), 373–380.

Browner, R. F., Dagnall, R. M., & West, T. S. (1970). The determination of lead by atomic fluorescence spectroscopy. *Analytica Chimica Acta*, **50** (3), 375–381.

Chester, J. E., Dagnall, R. M., & West, T. S. (1970). Analytical applications of ternary complexes-VII11 Part VII-Talanta, 1968, 15, 1359. An improved reagent system for the spectrophotometric determination of aluminium. *Talanta*, **17** (1), 13–19.

Cresser, M. S., & West, T. S. (1970). Some observations on the determination of zinc by atomic fluorescence spectrometry under conditions favourable for analysis. *Analytica Chimica Acta*, **50** (3), 517–522.

Cresser, M. S., & West, T. S. (1970). Multi-element atomic fluorescence spectroscopy. Part III. A new type of dual-element microwave-excited electrodeless discharge tube. *Analytica Chimica Acta*, **51** (3), 536–538.

Dagnall, R. M., Kirkbright, G. F., West, T. S., & Wood, R. (1970). Atomic fluorescence spectrometry of aluminum, molybdenum, titanium vanadium, and zirconium in inert gas separated nitrous oxide-acetylene flames. *Analytical Chemistry*, **42** (9), 1029–1033.

Dagnall, R. M., Kirkbright, G. F., West, T. S., & Wood, R. (1970). An investigation of the determination of germanium by flame photometry and atomic-fluorescence spectroscopy by using a separated nitrous oxide-acetylene flame. *The Analyst*, **95** (1130), 425–430.

Dagnall, R. M., Pratt, S. J., West, T. S., & Deans, D. R. (1970). A microwave-excited emissive detector for gas chromatography. Further studies with sulphur compounds. *Talanta*, **17** (10), 1009–1013.

Dagnall, R. M., Risby, T. H., & West, T. S. (1970). A solid sample reactor injection vessel for gas chromatography. *Analytical Letters*, **3**, 143.

Dagnall, R. M., Smith, D. J., & West, T. S. (1970). High voltage spark excitation of some organic molecules in nitrogen and argon atmospheres. *Analytical Letters*, **3**, 475.

Ebdon, L., Kirkbright, G. F., & West, T. S. (1970). Atomic-fluorescence characteristics and analytical determination of manganese in an air-acetylene flame. *Talanta*, **17** (10), 965–971.

Fleet, B., Liberty, K. V., & West, T. S. (1970). A study of some matrix effects in the determination of beryllium by atomic-absorption spectroscopy in the nitrous oxide-acetylene flame. *Talanta*, **17** (3), 203–210.

Fulton, A., Thompson, K. C., & West, T. S. (1970). Multi-element atomic fluorescence spectroscopy. Part II. A dual-element arsenic-antimony electrodeless discharge tube spectral line source for atomic fluorescence and atomic absorption spectroscopy. *Analytica Chimica Acta*, **51** (3), 387–392.

Hems, R. V., Kirkbright, G. F., & West, T. S. (1970). Kinetochromic spectrophotometry-III. Determination of fluoride by catalysis of the zirconium-Methylthymol blue reaction. *Talanta*, **17** (5), 433–437.

Hems, R. V., Kirkbright, G. F., & West, T. S. (1970). Spectrofluorimetric Determination of Submicrogram Amounts of Zirconium with Calcein Blue. *Analytical Chemistry*, **42** (7), 784–787.

Kirkbright, G. F., Narayanaswamy, R., & West, T. S. (1970). The fluorescence and phosphorescence characteristics of some antioxidants and ultraviolet absorbers. *Analytica Chimica Acta*, **52** (2), 237–246.

Kirkbright, G. F., Thompson, J. V., & West, T. S. (1970). Spectrophosphorimetric Measurement of niobium oxinate at liquid nitrogen temperature for determination of microgram amounts of niobium. *Analytical Chemistry*, **42** (7), 782–784.

- Marshall, G. B., & West, T. S. (1970). Multi-element atomic fluorescence spectroscopy. Stimulation of atomic fluorescence of mixtures of bismuth, mercury, selenium and tellurium; cadmium and zinc; gallium and indium by means of multi-element microwave-excited electrode less discharge tubes. *Analytica Chimica Acta*, **51** (2), 179–190.
- Marshall, G. B., & West, T. S. (1970). Determination of chromium in aluminium salts by atomic-absorption spectroscopy. *The Analyst*, **95** (1129), 343–346.
- Rahim, S. A., & West, T. S. (1970). Absorptiometric determination of sulphide ion. *Talanta*, **17** (9), 851–856.
- Cresser, M. S., & West, T. S. (1970). Some interference studies in atomic fluorescence spectroscopy with a continuum source. *Spectrochimica Acta Part B: Atomic Spectroscopy*, **25** (2), 61–68.
- Smith, D. J., Dagnall, R. M., & West, T. S. (1970). High voltage spark excitation of some organic molecules in nitrogen and argon atmospheres. *Analytical Letters*, **3** (9), 475–482.
- West, T. S. (1970). Developments in atom reservoirs and line sources for atomic absorption and atomic fluorescence spectroscopy. *Pure and Applied Chemistry*, **23** (1), 99–126.
- West, T. S. (1970). Analysis by flames. *British Science News*, **76**, 1.
- West, T. S., (1970). Atomic flame spectroscopy in trace analysis. Part II. Atomic fluorescence spectroscopy. *Minerals Science & Engineering*, **2**, 31.
- West, T. S. (1970). Recent developments en spectroscopie atomique avec references particulières au flammes et aux sources spectrales. *Methods Physiques d'Analyse (GAMS)* **6**, 3.
- West, T. S., & Shaw, W. H. C. (1970). Annual Report of the Council: March 1970. *Proceedings of the Society for Analytical Chemistry*, **7** (3), 45–57.
- Aggett, J., & West, T. S. (1971). Atomic absorption and fluorescence spectroscopy with a carbon filament atom reservoir. The determination of gold by atomic fluorescence and atomic absorption spectroscopy with an unenclosed atom reservoir. *Analytica Chimica Acta*, **55** (2), 349–357.
- Aggett, J., & West, T. S. (1971). Atomic absorption and fluorescence spectroscopy with a carbon filament atom reservoir. Part V. Determination of elements in organic solvents. *Analytica Chimica Acta*, **57** (1), 15–21.
- Aldous, K. M., Dagnall, R. M., Sharp, B. L., & West, T. S. (1971). A microwave-induced argon plasma system suitable for trace analysis. *Analytica Chimica Acta*, **54** (2), 233–243.

- Alger, D., Anderson, R. G., Maines, I. S., & West, T. S. (1971). Atomic absorption and fluorescence spectroscopy with a carbon filament atom reservoir. Part VI. A study of some matrix effects. *Analytica Chimica Acta*, **57** (2), 271–280.
- Alger, D., Dagnall, R. M., Sharp, B. L., & West, T. S. (1971). The design and operation of a photon-counting system for analytical atomic spectrometry. *Analytica Chimica Acta*, **57** (1), 1–14.
- Anderson, R. G., Johnson, H. N., & West, T. S. (1971). Atomic absorption and fluorescence spectroscopy with a carbon filament atom reservoir. Part VII. Atomic absorption under limited field viewing conditions. *Analytica Chimica Acta*, **57** (2), 281–288.
- Cooke, D. O., Dagnall, R. M., Sharp, B. L., & West, T. S. (1971). The application of photon counting as a detection system in atomic fluorescence and emission spectrometry. *Spectroscopy Letters*, **4** (5), 91–97.
- Cooke, D. O., Dagnall, R. M., & West, T. S. (1971). Optimisation of some experimental parameters in the preparation and operation of microwave-excited electrodeless discharge lamps. *Analytica Chimica Acta*, **54** (3), 381–395.
- Cooke, D. O., Dagnall, R. M., & West, T. S. (1971). Evaluation of some three-quarter-wave microwave cavities for the operation of electrodeless discharge lamps. *Analytica Chimica Acta*, **56** (1), 17–28.
- Dagnall, R. M., Kirkbright, G. F., West, T. S., & Wood, R. (1971). Multichannel atomic fluorescence and flame photometric determination of calcium, copper, magnesium, manganese, potassium, and zinc in Soil Extracts. *Analytical Chemistry*, **43** (13), 1765–1769.
- Dagnall, R. M., Silvester, M. D., & West, T. S. (1971). Electronic modulation of microwave-excited electrodeless discharge lamps for use in atomic-fluorescence spectrometry. *Talanta*, **18** (11), 1103–1109.
- Dagnall, R. M., Smith, D. J., West, T. S., & Greenfield, S. (1971). Emission spectroscopy of trace impurities in powdered samples with a high-frequency argon plasma torch. *Analytica Chimica Acta*, **54** (3), 397–406.
- Har, T. L., & West, T. S. (1971). Spectrofluorimetric determination of traces of fluoride ion by ternary complex formation with zirconium and calcein Blblue. *Analytical Chemistry*, **43** (1), 136–139.
- Hobbs, R. S., Kirkbright, G. F., & West, T. S. (1971). Spectroscopy in separated flames-VII. Determination of bismuth by atomic-fluorescence spectroscopy in a separated air-acetylene flame with electronically modulated electrodeless discharge tube sources. *Talanta*, **18** (9), 859–864.
- Kirkbright, G. F., Mayne, P. J., & West, T. S. (1971). A Dewar tube sample cell assembly for low-temperature fluorimetry. *Analytica Chimica Acta*, **54** (2), 353–357.

- Kirkbright, G. F., Narayanaswamy, R., & West, T. S. (1971). Spectrofluorimetric determination of orthophosphate as Rhodamine B molybdophosphate. *Analytical Chemistry*, **43** (11), 1434–1438.
- Norris, J. D., & West, T. S. (1971). Multi-element atomic fluorescence spectroscopy. Part IV. The determination of cobalt and nickel in steels by atomic fluorescence spectroscopy in a separated air-acetylene flame with a dual-element electrodeless discharge lamp. Part III: *Analytica Chimica Acta*, **55** (2), 359–365.
- Tan, L. H., & West, T. S. (1971). A spectrofluorimetric method for the determination of small amounts of sulphate ion. *The Analyst*, **96** (1141), 281–285.
- West, T. S. (1971). Some analytical aspects of environmental pollution: An introduction. *Laboratory Practice*, **20**, 2.
- West, T. S. (1971). Versatile atomic fluorescence spectroscopy. *Chemistry in Britain*, **7**, 378.
- West, T. S. (1971). The determination of very small amounts of materials by the techniques of atomic-absorption and atomic-fluorescence spectroscopy. *Pure and Applied Chemistry*, **26** (1), 47–64.
- West, T. S. (1971). Address of the retiring president. *Proceedings of the Society for Analytical Chemistry*, **8** (6), 121–124.
- West, T. S., & Shaw, W. H. C. (1971). Annual report of the council: March 1971. *Proceedings of the Society for Analytical Chemistry*, **8** (5), 96–109.
- Alder, J. F., & West, T. S. (1972). Atomic absorption and fluorescence spectrophotometry with a carbon filament atom reservoir: Part IX. The direct determination of silver and copper in lubricating oils. *Analytica Chimica Acta*, **58** (2), 331–337.
- Alder, J. F., & West, T. S. (1972). Atomic absorption and fluorescence spectroscopy with a carbon filament atom reservoir. Part XII. The determination of nickel in crude and residual fuel oils by atomic absorption spectrometry. *Analytica Chimica Acta*, **61** (1), 132–135.
- Aldous, K. M., Browner, R. F., Clark, D., Dagnall, R. M., & West, T. S. (1972). Some optical studies with the air-acetylene flame. *Talanta*, **19** (8), 927–936.
- Alger, D., Dagnall, R. M., Silvester, M. D., & West, T. S. (1972). Switched resistor modulation of microwave excited electrodeless discharge lamps. *Analytical Chemistry*, **44** (13), 2255–2256.
- Clark, D., Dagnall, R. M., & West, T. S. (1972). The determination of mercury by atomic-absorption spectrophotometry with the “delves sampling cup” technique. *Analytica Chimica Acta*, **58** (2), 339–346.
- Clark, D., Dagnall, R. M., & West, T. S. (1972). The occurrence of multiple peaks in the determination of various elements by the “Delves sampling cup” method. *Analytica Chimica Acta*, **60** (1), 219–221.

- Cooke, D. O., Dagnall, R. M., & West, T. S. (1972). Some considerations on spectral line profiles of microwave-excited electrodeless discharge lamps. *Talanta*, **19** (11), 1309–1320.
- Dagnall, R. M., Kirkbright, G. F., West, T. S., & Wood, R. (1972). The simultaneous determination of six metals in aluminium alloys by atomic-fluorescence spectrophotometry. *The Analyst*, **97** (1153), 245–249.
- Dagnall, R. M., Sharp, B. L., & West, T. S. (1972). Application of photon-counting in atomic-absorption spectrophotometry. *Talanta*, **19** (11), 1442–1444.
- Dagnall, R. M., Sharp, B. L., & West, T. S. (1972). Simplified photon counting system for measurement of low radiation levels. *Nature (Physical Sciences)*, **235**, 65.
- Dagnall, R. M., Sylvester, M. D., West, T. S., & Whitehead, P. (1972). A simple non-selective detector for gas phase chromatography, using the measurement of reflected microwave power. *Talanta*, **19** (10), 1226–1231.
- Dagnall, R. M., West, T. S., & Whitehead, P. (1972). Use of the Microwave-Excited Emissive Detector for Gas Chromatography for Quantitative Measurement of Inter-Element Ratios. *Analytical Chemistry*, **44** (12), 2074–2078.
- Dagnall, R. M., West, T. S., & Whitehead, P. (1972). A simple atmospheric microwave-excited emissive detector for gas chromatography. *Analytica Chimica Acta*, **60** (1), 25–35.
- Ebdon, L., Kirkbright, G. F., & West, T. S. (1972). Atomic absorption and fluorescence spectroscopy with a carbon filament atom reservoir. Part VIII. The determination of manganese by atomic absorption spectroscopy. *Analytica Chimica Acta*, **58** (C), 39–46.
- Ebdon, L., Kirkbright, G. F., & West, T. S. (1972). Atomic absorption and fluorescence spectroscopy with a carbon filament atom reservoir. Part XI. The determination of iron by atomic absorption spectroscopy. *Analytica Chimica Acta*, **61** (1), 15–24.
- Ebdon, L., Kirkbright, G. F., & West, T. S. (1972). Determination of manganese by atomic fluorescence spectroscopy using a carbon-filament atom-reservoir. *Talanta*, **19** (11), 1301–1308.
- Jackson, K. W., & West, T. S. (1972). Atomic absorption and fluorescence spectroscopy with a carbon filament atom reservoir. Part X. The determination of nickel with an unenclosed atom reservoir. *Analytica Chimica Acta*, **59** (2), 187–196.
- Johnson, H. N., Kirkbright, G. F., & West, T. S. (1972). An indirect amplification procedure for the determination of vanadium in aluminium alloys by atomic-absorption spectroscopy. *The Analyst*, **97** (115), 696–702.
- Johnson, H. N., Kirkbright, G. F., & West, T. S. (1972). Some applications of heteropoly acids for amplification procedures in atomic-absorption spectroscopy. *Proceedings of the Society for Analytical Chemistry*, **9**, 300–302.

- Kirkbright, G. F., Marshall, M., & West, T. S. (1972). Direct Determination of Sulfur in Oils by Atomic Absorption Spectrometry Using an Inert Gas Shielded Nitrous Oxide-Acetylene Flame. *Analytical Chemistry*, **44** (14), 2379–2382.
- Kirkbright, G. F., Mayne, P. J., & West, T. S. (1972). Photo-oxidation of thallium(I) with the production of hydrogen peroxide. *Journal of the Chemical Society, Dalton Transactions*, (17), 1918–1920.
- Kirkbright, G. F., Narayanaswamy, R., & West, T. S. (1972). The spectrofluorimetric determination of orthophosphate as quinine molybdophosphate. *The Analyst*, **97** (1152), 174–181.
- Kirkbright, G. F., Ranson, L., & West, T. S. (1972). The use of a triple pass optical arrangement for the determination of arsenic and selenium by atomic absorption spectroscopy in an inert gas shielded nitrous oxide-acetylene flame. *Spectroscopy Letters*, **5** (1–2), 25–34.
- Kirkbright, G. F., Ward, A. F., & West, T. S. (1972). The determination of sulphur and phosphorus by atomic emission spectrometry with an induction-coupled high-frequency plasma source. *Analytica Chimica Acta*, **62** (2), 241–251.
- Kirkbright, G. F., & West, T. S. (1972). Atomic fluorescence for chemical analysis. *Chemistry in Britain*, **8**, 428.
- Kirkbright, G. F., Wilson, P. J., & West, T. S. (1972). Multi-element atomic fluorescence spectroscopy. The direct determination of iodine by atomic absorption spectroscopy in a nitrogen separated nitrous oxide-acetylene flame. *Atomic Absorption Newsletter*, **11**, 53.
- Kirkbright, G. F., Wilson, P. J., & West, T. S. (1972). The application of the Leipert amplification to increase sensitivity in the direct determination of iodine by atomic absorption spectrometry. *Atomic Absorption Newsletter*, **6**, 11.
- Norris, J. D., & West, T. S. (1972). Multi-element atomic fluorescence spectroscopy. Part V. The determination of chromium and manganese in steels in a separated air-acetylene flame with a dual-element electrodeless discharge lamp. *Analytica Chimica Acta*, **59** (3), 474–476.
- Norris, J. D., & West, T. S. (1972). The atomic fluorescence characteristics and determination of chromium in an argon-separated air-acetylene flame. *Analytica Chimica Acta*, **59** (3), 355–361.
- Oborne, A. C., & West, T. S. (1972). Determination of trace amounts of metals in soils by ultramicro atomic-absorption spectrometry. *Proceedings of the Society for Analytical Chemistry*, **9**, 198–201.
- Stephens, R., & West, T. S. (1972). Some analytical properties of low pressure flames. *Spectrochimica Acta Part B: Atomic Spectroscopy*, **27** (12), 515–526.
- Cantle, J. E., & West, T. S. (1973). Ultramicro atomic-absorption spectroscopy with a tungsten-filament atom-reservoir. *Talanta*, **20** (5), 459–467.

- Clark, D., Dagnall, R. M., & West, T. S. (1973). The atomic absorption determination of zinc with a graphite furnace. *Analytica Chimica Acta*, **63** (1), 11–18.
- Cresser, M. S., & West, T. S. (1973). Atomic fluorescence spectroscopy. *Applied Spectroscopy Reviews* **7** (1), 79–145.
- Dagnall, R. M., Manfield, J. M., Silvester, M. D., & West, T. S. (1973). Atomic absorption and emission spectrometry of mercury at 164.9 nm. *Spectroscopy Letters*, **6** (3), 183–189.
- Dagnall, R. M., Silvester, M. D., & West, T. S. (1973). Some intense sources of radiation for the alkali and alkaline earth elements. *Spectrochimica Acta Part B: Atomic Spectroscopy*, **28** (2), 51–63.
- Dagnall, R. M., West, T. S., & Whitehead, P. (1973). The determination of volatile metal chelates by using a microwave-excited emissive detector. *Analyst*, **98**, 647–654.
- Everett, G. L., West, T. S., & Williams, R. W. (1973). Atomic absorption and fluorescence spectrometry with a carbon filament atom reservoir. Part XIV. The determination of vanadium in fuel oils. *Analytica Chimica Acta*, **66** (2), 301–303.
- Jackson, K. W., West, T. S., & Balchin, L. (1973). Determination of vanadium in titanium dioxide by ultramicro atomic absorption spectrometry on a carbon filament atom reservoir. *Analytical Chemistry*, **45** (2), 249–253.
- Jackson, K. W., West, T. S., & Balchin, L. (1973). Atomic absorption and fluorescence spectrometry with a carbon filament atom reservoir. Part XIII. The determination of chromium with a fully enclosed atom reservoir. *Analytica Chimica Acta*, **64** (3), 363–369.
- Johnson, D. J., West, T. S., & Dagnall, R. M. (1973). The determination of germanium by atomic absorption spectrometry with a graphite tube atomizer. *Analytica Chimica Acta*, **67** (1), 79–87.
- Johnson, D. J., West, T. S., & Dagnall, R. M. (1973). A comparative study of the determination of zinc and molybdenum by atomic absorption spectrometry with a carbon filament atom reservoir. *Analytica Chimica Acta*, **66** (2), 171–178.
- Jones, M., Kirkbright, G. F., Ranson, L., & West, T. S. (1973). The simultaneous determination of traces of cobalt, chromium, copper, iron, manganese and zinc by atomic fluorescence spectrometry with preconcentration by an automated solvent extraction procedure. *Analytica Chimica Acta*, **63** (1), 210–215.
- King, A. F., & West, T. S. (1973). Time-resolved non-dispersive atomic fluorescence by the carbon filament atomisation technique. *Proceedings of the Society for Analytical Chemistry*, **10**, 279–280.
- Kirkbright, G. F., Ward, A. F., & West, T. S. (1973). Atomic emission spectrometry with an induction-coupled high-frequency plasma source. The determination of iodine, mercury, arsenic and selenium. *Analytica Chimica Acta*, **64** (3), 353–362.

Kirkbright, G. F., West, T. S., & Wilson, P. J. (1973). The direct determination of mercury by atomic fluorescence spectrometry in a nitrogen-separated air-acetylene flame with excitation at 184.9 nm. *Analytica Chimica Acta*, **66** (1), 130–133.

Kirkbright, G. F., West, T. S., & Wilson, P. J. (1973). The direct determination of mercury by atomic-absorption spectrophotometry at 184.9 nm by using a nitrogen-separated nitrous oxide - acetylene flame. *The Analyst*, **98** (1162), 49–52.

Moore, J., West, T. S., & Dagnall, R. M. (1973). A microwave plasma detector system for the measurement of trace levels of carbon monoxide in air. *Proceedings of the Society for Analytical Chemistry*, **10**, 197.

Mounce, R. P., Dagnall, R. M., Sharp, B. L., & West, T. S. (1973). Non-dispersive atomic fluorescence using a non-flame atom reservoir: Determination of bismuth. *Proceedings of the Society for Analytical Chemistry*, **10**, 271–272.

Norris, J. D., & West, T. S. (1973). Application of a Wavelength Scanning Technique to Multi-Element Determinations by Atomic Fluorescence Spectrometry. *Analytical Chemistry*, **45** (2), 226–230.

Norris, J. D., & West, T. S. (1973). Investigation of Spectral Overlap of the Neon 359.352-nm and Chromium 359.349-nm Spectral Lines in Atomic Absorption and Atomic Fluorescence Spectrometry of Chromium. *Analytical Chemistry*, **45** (12), 2148–2150.

Norris, J. D., & West, T. S. (1973). The use of a wavelength scanning technique for multi-element determinations by atomic fluorescence spectroscopy. *Fresenius' Zeitschrift für Analytische Chemie*, **264** (2), 128–130.

West, T. S. (ed.) (1973). International Review of Science. Analytical Chemistry, Part 1: Physical Chemistry, Series One, Volume 12. Butterworths.

West, T. S. (ed.) (1973). International Review of Science. Analytical Chemistry, Part 2: Physical Chemistry, Series One, Volume 13. Butterworths.

West, T. S., Everett, G. L., & Williams, R. W. (1973). Determination of sodium by atomic emission spectrometry using a carbon filament atom reservoir. *Spectroscopy Letters*, **6** (12), 767–770.

Adams, M. J., Kirkbright, G. F., & West, T. S. (1974). Direct determination of nanogram amounts of iodine by atomic-absorption spectroscopy using a graphite-tube atomizer. *Talanta*, **21** (6), 573–579.

Dagnall, R. M., Johnson, D. J., & West, T. S. (1974). Study of the determination of molybdenum by atomic absorption spectrometry using a carbon filament atom reservoir. *Journal of The Less-Common Metals*, **36** (1–2), 175.

Everett, G. L., West, T. S., & Williams, R. W. (1974). The determination of tin by carbon filament atomic absorption spectrometry. *Analytica Chimica Acta*, **70** (2), 291–298.

- Everett, G. L., West, T. S., & Williams, R. W. (1974). Trace analysis for sulphur and phosphorus in aqueous solution by a carbon filament atom reservoir technique. *Analytica Chimica Acta*, **68** (2), 387–394.
- Everett, G. L., West, T. S., & Williams, R. W. (1974). The determination of manganese in lubricating oils by carbon filament atomic absorption spectrometry. *Analytica Chimica Acta*, **70** (1), 204–206.
- Kapur, J. K., & West, T. S. (1974). Determination of lead in “instant” coffee and tea powders by carbon filament atomic absorption spectrometry. *Analytica Chimica Acta*, **73** (1), 180–184.
- Kirkbright, G. F., West, T. S., & Wilson, P. J. (1974). The determination of iodine by atomic absorption and emission spectrometry with a cathode sputtering cell. *Analytica Chimica Acta*, **68** (2), 462–465.
- Manfield, J. M., West, T. S., & Dagnall, R. M. (1974). Determination of iodine by atomic-absorption spectrometry using the platinum-loop technique. *Talanta*, **21** (7), 787–789.
- Norris, J. D., & West, T. S. (1974). Some applications of spectral overlap in atomic absorption spectrometry. *Analytical Chemistry*, **46** (11), 1423–1425.
- Norris, J. D., & West, T. S. (1974). The use of a non-dispersive atomic fluorescence spectrometer for the determination of zinc in soils and nonferrous metal alloys. *Analytica Chimica Acta*, **71** (2), 289–294.
- Norris, J. D., & West, T. S. (1974). The use of an argon-hydrogen flame for the atomic absorption and atomic fluorescence spectrometry of antimony. *Analytica Chimica Acta*, **71** (2), 458–460.
- Rahim, S. A., Abdulahed, H., & West, T. S. (1974). A silver chloride/sulphide amplification reaction for the microdetermination of chloride ion. *Mikrochimica Acta*, **62** (1), 111–117.
- Tyson, J. F., & West, T. S. (1974). Optical absorption phenomena at electrode surfaces. *Nature*, **250** (5462), 139–140.
- West, T. S. (1974). Atomic-fluorescence and atomic-absorption spectrometry for chemical analysis. *The Analyst*, **99** (1185), 886–899.
- West, T. S. (1974). The third Theophilus Redwood lecture. *Proceedings of the Society for Analytical Chemistry*, **11** (8), 198–216.
- Denton, H., Sharp, B. L., & West, T. S. (1975). A stable d.c. capillary arc plasma for solution analysis. *Talanta*, **22** (4–5), 379–386.
- Johnson, D. J., Sharp, B. L., & West, T. S. (1975). Some observations on the vaporization and atomization of samples with a carbon filament atomizer. *Analytical Chemistry*, **47** (8), 1234–1240.

Kirkbright, G. F., Mayne, P. J., & West, T. S. (1975). Technical note: Application of a permittivity method for the rapid determination of water in meat. *International Journal of Food Science and Technology*, **10** (1), 103–108.

Shresta, I. L., & West, T. S. (1975). An investigation of the sub-microanalysis of metal surfaces by electrography and carbon filament atomic absorption spectrometry. *Bulletin Des Sociétés Chimiques Belges*, **84** (6), 549–563.

Alder, J. F., Alger, D., Samuel, A. J., & West, T. S. (1976). The design and development of a multichannel atomic absorption spectrometer for the simultaneous determination of trace metals in hair. *Analytica Chimica Acta*, **87** (2), 301–311.

Alder, J. F., Samuel, A. J., & West, T. S. (1976). The single element determination of trace metals in hair by carbon-furnace atomic absorption spectrometry. *Analytica Chimica Acta*, **87** (2), 313–321.

Crisp, P. T., Eckert, J. M., Gibson, N. A., Kirkbright, G. F., & West, T. S. (1976). The determination of anionic detergents at p.p.b. levels by graphite furnace atomic absorption spectrometry. *Analytica Chimica Acta*, **87** (1), 97–101.

Irving, H. M. N. H., Zettler, H., Baudin, G., Freiser, H., Guilbault, G. G., Menis, O., Tawfik, H. A., & West, T. S. (1976). Recommendations for nomenclature of ion-selective electrodes (recommendations 1975). *Pure and Applied Chemistry*, **48** (1), 127–132.

Massmann, H., Shaw, F., Ottaway, J. M., Littlejohn, D., West, T. S., Fell, G. S., Harrison, M. P. (1976). Developments in analytical atomic spectrometry. *Proceedings of the Analytical Division of the Chemical Society*, **13** (9), 258–279.

Alder, J. F., Baker, A. E., & West, T. S. (1977). The determination of copper in alloys by electrography and atomic absorption spectrometry. *Analytica Chimica Acta*, **90** (C), 267–270.

Alder, J. F., Pankhurst, C. A., Samuel, A. J., & West, T. S. (1977). The use of silk and animal hairs as standards for hair analysis. *Analytica Chimica Acta*, **91** (2), 407–410.

Alder, J. F., Samuel, A. J., & West, T. S. (1977). The anatomical and longitudinal variation of trace element concentration in human hair. *Analytica Chimica Acta*, **92** (1), 217–221.

Alder, J. F., Samuel, A. J., & West, T. S. (1977). The simultaneous multi-element analysis of hair: a non-parametric method for evaluating the ability of the data to distinguish between individuals. *Analytica Chimica Acta*, **94** (1), 187–191.

Sanz Medel, A., Perez Bustamante, J. A. & West, T. S. (1977). Fluorescencia atomica no dispersiva utilizando un filamento de carbon como dispositivo atomizador. I. Descripcion del aparato de medida y su aplicacion a la determinacion de mercurio. *Anales de la Real Sociedad Espanola de Quimica*, **73**, 849.

Sanz Medel, A., Perez Bustamante, J. A., & West, T. S. (1977) Fluorescencia atomica no dispersiva utilizando un filamento de carbon como dispositivo atomizador. II.

Determinacion de cadmio y cinc. *Anales de la Real Sociedad Española de Química*, **73**, 988.

Sanz Medel, A. Perez-Bustamante, J. A. & West, T. S. (1977) Fluorescencia atomica no dispersiva utilizando un filamento de carbon como dispositivo atomizador. III.

Elementes menos volatiles. Determinacion de plomo y bismuto. *Anales de la Real Sociedad Española de Química*, **73**, 995.

Stephens, R., & West, T. S. (1977). Sample atomization in low pressure flames. *Analytical Chemistry - Anders Ringbom Memorial volume*. Pergamon Press, Oxford.

Bartlet, D. F., Hurst, T., Norris, J. D., & West, T. S. (1978). Thermostated electrodeless discharge lamps in atomic spectrometry. *Reviews in Analytical Chemistry*, **1**, 19.

Irving, H. M. N. H., Freiser, H., & West, T. S. (1978). *Compendium of Analytical Nomenclature (IUPAC)*. Pergamon Press, Oxford.

Norris, J. D., & West, T. S. (1978). Use of a Twin-Port Power Divider and Attenuator in the Operation of Electrodeless Discharge Lamps for Multi-Element Atomic Fluorescence Spectrometry. *Spectroscopy Letters*, **11** (9), 707–713.

Sandell, E. B., & West, T. S. (1978). Recommended nomenclature for scales of working in analysis. *Pure & Applied Chemistry*, **51**, 43.

West, T. S. (1978). Some recent developments in atomic fluorescence spectroscopy. *Pure and Applied Chemistry*, **50** (8), 837–843.

Bache, B. W., & West, T. S. (1979). Uptake of major mineral elements by plants. In ‘Food Chains in Human Nutrition’, Ed. Sir Kenneth Blaxter, Applied Science Publishers Ltd.

Bound, E. A., Norris, J. D., Sanz-Medel, A., & West, T. S. (1979). The atomic absorption spectrometric determination of palladium with a carbon-filament electrothermal atomizer. *Analytica Chimica Acta*, **104** (2), 385–387.

Forbes, S., Bound, G. P., & West, T. S. (1979). Determination of selenium in soils and plants by differential pulse cathodic-stripping voltammetry. *Talanta*, **26** (6), 473–477.

Hargreaves, M., King, A. F., Norris, J. D., Sanz-Medel, A., & West, T. S. (1979). Non-dispersive atomic fluorescence spectrometry with a carbon filament atom reservoir. *Analytica Chimica Acta*, **104** (1), 85–92.

Khalighie, J., Ure, A. M., & West, T. S. (1979). An investigation of atom collection phenomena in the atomic absorption spectrometry of copper. *Analytica Chimica Acta*, **107** (C), 191–200.

Tyson, J. F., & West, T. S. (1979). Analytical aspects of absorption spectroelectrochemistry at a platinum electrode-I Study of metal ions. *Talanta*, **26** (2), 117–125.

West, T. S. (1979). Trace Element Determination (in Soils). *Education in Chemistry*, **16**, 62.

West, T. S. (1979). *Biosignificance and Analysis of Trace Elements in Agricultural Soils*. (1st T. B. Miller Memorial Lecture). Special Publication, North of Scotland College of Agriculture.

Chamsaz, M., Sharp, B. L., & West, T. S. (1980). Comparison of sample introduction techniques with a continuously heated graphite-furnace atomizer for atomic-absorption spectrophotometry. *Talanta*, **27** (11), 867–872.

Cooke, S., West, T. S., Watts, P., Smith-Briggs, J. L., Welch, K. H., Ure, A. M., Jordan, C. (1980). Research and development topics in analytical chemistry. *Analytical Proceedings*, **17** (1), 2–21.

Edmonds, T. E., Guogang, P., & West, T. S. (1980). The differential pulse anodic stripping voltammetry of copper and lead and their determination in EDTA extracts of soils with the mercury film glassy carbon electrode. *Analytica Chimica Acta*, **120**, 41–53.

Edmonds, T. E., & West, T. S. (1980). A quartz crystal piezoelectric device for monitoring organic gaseous pollutants. *Analytica Chimica Acta*, **117** (C), 147–157.

Khalighie, J., Ure, A. M., & West, T. S. (1980). Some observations on the mechanisms of atomization in atomic absorption spectrometry with atom-trapping and electrothermal techniques. *Analytica Chimica Acta*, **117** (C), 257–266.

Edmonds, T. E., Guogang, P., & West, T. S. (1981). The determination of the ionisation constants of polymaleic acid and the stability constants of its complexes with copper. *Analytica Chimica Acta*, **129** (C), 69–77.

Khalighie, J., Ure, A. M., & West, T. S. (1981). Atom-trapping atomic absorption spectrometry of arsenic, cadmium, lead, selenium and zinc in air-acetylene and air-propane flames. *Analytica Chimica Acta*, **131** (C), 27–36.

Nomura, T., Nagamune, T., Izutsu, K., & West, T. S. (1981). New electrolytic method of metal-ions analysis with a piezoelectric quartz crystal and its application to the determination of minute amount of copper (II). *Bunseki Kagaku*, **30** (8), 494–499.

West, T. S. (1981). Soil as the source of trace elements. *Philosophical Transactions of the Royal Society of London B*, **294**, 19.

Khalighie, J., Ure, A. M., & West, T. S. (1982). Atom-trapping absorption spectrometry with water-cooled metal collector tubes. *Analytica Chimica Acta*, **134** (C), 271–281.

Lau, C. M., Ure, A. M., & West, T. S. (1982). The determination of selenium by atom-trapping atomic absorption spectrometry. *Analytica Chimica Acta*, **141** (C), 213–224.

Nomura, T., Yamashita, T., & West, T. S. (1982). Determination of lead by adsorption of the extracted 8-quinolinolate on the electrodes of a piezoelectric quartz crystal. *Analytica Chimica Acta*, **143** (C), 243–247.

- Thomas, J. M., Belcher, R., & West, T.S. (eds.) (1982). Recent Advances in Analytical Chemistry (Proc. Roy. Soc. Discussion Group Meeting Dec. 1981), The Royal Society, London.
- Fu, B., Ure, A. M., & West, T. S. (1983). Column cementation on aluminium powder as a preconcentration technique for trace element determinations by spark-source mass spectrometry. Part 1. Copper, lead, ruthenium and the noble metals. *Analytica Chimica Acta*, **152** (C), 95–104.
- Lau, C. M., Ure, A. M., & West, T. S. (1983). The determination of lead and cadmium in soils by atom-trapping atomic absorption spectrometry. *Analytica Chimica Acta*, **146**, 171–179.
- Wybrow, B. R., Deroose, A. J., Cowper, C. J., Greenhow, E. J., Wade, A. P., Al-Jorani, T. K., Svehla, G. (1983). Research and development topics in analytical chemistry. *Analytical Proceedings*, **20** (3), 102–118.
- Jennings, V. J., Edmonds, T. E., Fraser, S. M., West, T. S., Cooksey, B. G., Hall, D. H., ...
Townshend, A. (1985). Polarographic analysis of 2-ethylanthraquinone and its tetrahydro derivative. Part II. Differential pulse polarography. *Analytical Proceedings*, **22** (12), 361–371.
- Nomura, T., Watanabe, M., & West, T. S. (1985). Behaviour of piezoelectric quartz crystals in solutions with application to the determination of iodide. *Analytica Chimica Acta*, **175** (C), 107–116.
- Bain, D. C., Berrow, M. L., McHardy, W. J., Paterson, E., Russell, J. D., Sharp, B. L., ...
West, T. S. (1986). Optical, electron and x-ray spectrometry in soil analysis. *Analytica Chimica Acta*, **180** (C), 163–185.
- Edmonds, T. E., Hepher, M. J., & West, T. S. (1986). Thermal cycling for piezoelectric gas detector systems. *Analytica Chimica Acta*, **187** (C), 293–299.
- Fraser, S. M., Edmonds, T. E., & West, T. S. (1986). Development of a multi-sensor system using coated piezoelectric crystal detectors. *The Analyst*, **111** (10), 1183–1188.
- Fraser, S. M., Ure, A. M., Mitchell, M. C., & West, T. S. (1986). Determination of cadmium in calcium chloride extracts of soils by atom-trapping atomic absorption spectrometry. *Journal of Analytical Atomic Spectrometry*, **1** (1), 19–21.
- Salama, S. B., & West, T. S. (1986). Spectrophotometric determination of traces of fluoride ion by ternary complex formation with zirconium and acid alizarin black SN. *Arab Gulf Journal of Scientific Research*, **4**, 105.
- West, T. S. (1986). Foreword. *Journal of Analytical Atomic Spectrometry*, **1**, 1.
- West, T. S. (1986). Scotland's land and soils. *Proceedings of the Royal Society of Edinburgh*, **87B**, 125.

- Edmonds, T. E., Hepher, M. J., & West, T. S. (1988). Studies on the adsorption of nitrogen dioxide onto manganese dioxide-coated quartz piezoelectric crystals. *Analytica Chimica Acta*, **207** (C), 67–75.
- Lau, C. M., Ure, A. M., & West, T. S. (1988). Atom trapping atomic absorption spectrometric determination of some trace elements in soils, natural waters, seawater, and bovine liver. *Bulletin of the Chemical Society of Japan*, **61** (1), 79–85.
- West, T. S., Pourreza, N., Townshend, A., Turner, P. S., Whitley, J. E., Hannah, R., ... Alder, J. F. (1988). In situ pre-concentration in flame atomic spectrometry. *Analytical Proceedings*, **25** (7), 240–252.
- West, T. S. (1992). *An Examination of Some Scientific Issues in the Case of the Maguire Seven, Guildford and Woolwich Enquiry*. London.
- West, T. S. (1999). Tribute to Alan Walsh from the analytical chemistry group at Imperial College, London, 1963-1975. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **54** (14), 2017–2022.
- West, T. S. (2010). *Family, Fishermen and their Boats*.