



SUBJECT INDEX  
1969–1980

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- Webster, Robert**  
obituary (Anderson)  
Sp1976,XV:158-159

**Whewellite**

testing of (Liddicoat) W1969-1970,XIII:130

**Wollastonite**

dyed green (Liddicoat)  
Su1977,XV:295-296  
in glass (Liddicoat)  
Sp1971,XIII:279-280

**X****X-ray diffraction analysis**

of black spinel (Liddicoat)  
Su1971,XIII:318  
of diopside inclusions in peridot  
(Koivula) Su1980,XVI:332-333  
of grossular and idocrase  
(Liddicoat) F1971,XIII:354-356  
of maw-sit-sit from Myanmar  
[Burma] (Manson)  
F1979,XVI:217-218  
of serpentine, represented as  
nephrite jade (Liddicoat)  
Sp1980,XVI:267-268  
of variscite (Liddicoat)  
Sp1975,XV:29  
of yttrium aluminate (Liddicoat)  
Sp1971,XIII:281-282

**X-ray fluorescence analysis**

of black cultured pearls, to detect  
color enhancement (Komatsu)  
Sp1978,XVI:15  
of diamond and GE synthetic dia-  
monds (Crowningshield)  
Su1971,XIII:309  
of turquoise from Iran  
(Manutchehr-Danai)  
Su1977,XV:318-319

**X-ray irradiation**

of yellow sapphires (Crowningshield)  
Su1969,XIII:57,  
F1979,XVI:194-196

**Y****YAG [yttrium-aluminum garnet]**

abrasion, resistance to (Wilks)  
Su1973,XIV:164-165  
blue, absorption spectrum  
(Crowningshield) F1975,XV:92  
bubbles in (Liddicoat)  
F1971,XIII:358

diamond probe testing of (Nassau)  
W1978-1979,XVI:101-102

diamond simulant  
(Crowningshield)  
Sp1969,XIII:16-17; (Liddicoat)  
Sp1969,XIII:22-23

green (Liddicoat) W1971-  
1972,XIII:384-385;  
(Crowningshield)  
Su1972,XIV:53

identification of (Liddicoat)  
Su1978,XVI:58-60

laser reflection patterns in (Miles)  
F1978,XVI:77-84

marketed as Diamonaire  
(Crowningshield) F1969,XIII:93-  
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nomenclature (Nassau)  
F1974,XIV:322-326

size and weight of (Nassau)  
F1979,XVI:203-204

yellow (Crowningshield) W1973-  
1974,XIV:237

**Yttrium aluminate**

absorption spectrum and X-ray  
diffraction pattern of (Liddicoat)  
Sp1971,XIII:281-282  
biaxial (Crowningshield)  
F1971,XIII:352

**Yttrium oxide**

diamond simulant  
(Crowningshield)  
Sp1969,XIII:16-17

**Z****Zimbabwe [Rhodesia]**

euclase from (Gübelin) W1978-  
1979,XVI:104-110  
miorolite, green quartz from  
(Crowningshield)  
Sp1976,XV:155-156

**Zircon**

absorption spectrum (Anderson)  
W1972-1973,XIV:98

cat's-eye, gray-green  
(Crowningshield)  
Su1974,XIV:299

and diamond doublet  
(Crowningshield)  
Sp1971,XIII:287

diamond probe testing of (Nassau)  
W1978-1979,XVI:102  
heat treatment experiment  
(Crowningshield) Sp1969,XIII:18

**Zircon, synthetic**

development of (Mariner) W1973-  
1974,XIV:241

**Zirconium oxide, See Cubic zirconia****Zoisite**

bluish green, from Tanzania  
(Schmetzer) W1978-  
1979,XVI:121-122

carving—with ruby crystal  
(Liddicoat) Sp1975,XV:28; with  
serpentine (Liddicoat)  
Sp1972,XIV:23-24; (Crowningshield)  
Su1972,XIV:50-52

heat-treated, durability of  
(Crowningshield)  
Su1969,XIII:60-62

white, in material resembling  
jadeite (Liddicoat)  
Sp1972,XIV:23-24  
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**Zoning, See Color zoning**