
 QUARTZ
C RYPTOCRYSTALLINE
C Quartz--a blg word, but It simply means a form of our quartz mineral $\left(\mathrm{SiO}_{2}\right)$ in which quartz mineral anvisible to the naked eye. Hence the Greek naked eye. Hence the Greek
prefix "Crypto", which means prefix "Cry
"hidden".
This is a big branch on the Quartz family tree, and has a number of offshoots with various names.
The basic material in all these subtitles is Chalcedony (pronounced lal-sed-0-ni). This term refers to a stone that is almost transparent, or translucent, or waxy white-no real coloration, Other names no reaceloration, other narious colors or patterns caused by some sort of inclusion in the basic chalcedony.
One of the most popular variations is Agate in its different forms. Agate is typically a translucent form of chalcedony in parallel layers of different colors. It originates in volcanic lava, where cavities are left by escaping gases as the lava cools. Steam or very hot water, with silica in solution, intrudes into these cavities and, as it evaporates, leaves layers of agate in deposit. Successive occurences of this process form the concentric layers characteristic of agate.
If the cavity is completely filled, it forms a nodule. If only partly filled and the center only partly filled and the center
remains hollow, we call it a remains hollow, we call it a
geode (jee-ode). These geodes geode (jee-ode). These geodes
are usually lined with small are usually lined with small
crystals and, when cut in hall, produce anattractive specimen, "Agate" is so much more convenient a word than "chalcedony" that it is commonly used by us rockhounds to denote various forms other than nodules or geodes. Banded agate, moss agate, plume agate, rooster tail--the names pretty reill describe the respective types.
Carnelian or "carnelian agate" is a translucent stone with a red or reddish brown coloration. It has been in popular favor ever since the early days of the Egyptians, who used it in their jeweiry.
Sard is a similar stone but dark brown. This also appears in ancient jewelry.

Sardonyx means alternate layers of sard and white or light colored chalcedony. (In a later column we will discuss a
true onyz, of which the finest cameos are made.)
(Continued To Page 7)

. . . calls for TRIM-LINE. . . the flair fashioned phone of tomorrow - here today. TRIM-LINE'S turned on features include: lighted dial, l-o-o-n-n-g cord, slim styling,

## FREE Wildlife Print

## Choice of

CARDINAL by Don Eckleberry DOGWOOD by Ophelia Dowden
with each family subscription to the N.C. STATE AUDUBON SOCIETY

Orders in this area will be filled by

## Inez Devore

THUNDERBIRD MOUNTAIN RESORT Robbinsville, N.C. 28771

[^0]THIS MONTH in Western North Carolina

## Future Homemakers of America Where the Action Is!

WHEN THE NEWS is all participants on committees, too full of the antics of panels and program from our a minority of "revolting" ado- 8 westernmost counties inlescents, it is reassuring to cluded chapter members from discover that the majority of Camp Laboratory (Cullowhee), our teenagers are "doing busi- Canton, Franklin, Hayesville, ness as usual" along con- Haywood County, Murphy, Pisstructive lines.

An outstanding case in point Swain County, Sylva-Webster, is the recent rally (October 18) at WCU of the Future Home at wCU of the Future Homemakers of America of District 8 , comprising the 18 western counties of North Carolina. These are girls who are taking or have taken a course in Home Economics in junior or senior high school, and who have voluntarily joined their local chapters of this national organization.
More than 1000 Future Homemakers assembled for the daylong rally at WCU. Active Tuscola.
Weeks of intensive preliminary work by the Franklin chapter--under the direction of Miss Maude Bivins, teacher of Vocational Home Economics at Franklin High School, and this year's District 8 FHA Advi-ser--resulted in a smoothly coordinated program and panel series that were enthuslastically received.
With the overall theme of "FHA--Where The Action Is!",


Registering for FHA ralley at WCU at desk maned by member of Sylva chapter are Franklin's vice president Conda Bradley and president Myra Norton, with recorder-photographer Devonda Long at far right Myra Dills designed distinctive name tags.


Mary Seay, hostess for Franklin FHA discussion
covered the gamut of activerelationships of the individual with family, community, group, career, and society as a whole The key to such relationships emerged as love and under-standing--not as vague terms, but practically applied in positive action.
The practical application of understanding oneself and one's needs in the economic selection of a becoming and appropriate wardrobe was a highlight of the program--as demonstrated the program--as demonstrated by Dick Schulman, Canton merchant, with the cooperation of FHA members from the audience.
WCU hosts were Mr. Frank Brown, vice-president for administration, Dr. Ann Buntin, head of Home Economics Dept, and Mrs. Evelyn Barker, Home Ec student and president of the student section of American Home Economics Assn Rev. James Gilland of Cullowhee Methodist Church was keynote
 and "right now" colors. Why not suprise your daughter with a teen line TRIM-LINE and rediscover your own phone! Call us for details.


[^0]:    Send check payable to N.C. Audubon Society for $\$ 12.50$ to the above addressfor Family Subscription and receive your FREE Wildlife Print. Specify choice.

