

Owner appeal, convenient operation, and quality performance are the goals of this manufacturer.

0NE: enthusiastic masufacturne of color TV recelven, Noffiss= Eiec trewic: Corf- is now featuring its third series of celor moslels. The first two wwre the 15. and 10-linth shadowtask tube versloes of several sears abs; fhe tatest series of revefvin luse the 21AXI'2 exclunively. This tube is The round metal enveloge impreved shadow-mask servion used in ReA. Eesertoin, and mang other late-mootel cobor sets. In all Hoffuase "Coloreast. ers ${ }^{*}$ the gorture tube is mounted in the cabintt ans shipped in place.

Feur basic rereiver moskls eumpeise the berw "Cotorcaster" tine, eath arall. able in makegting. Nisoed oak, and Sifems maple veneers with prices varying accortine to the toge of fiminh. Dasicalb' equifiped mith $\$$ vh. Tuther, eath receiver is also furmiahed for full $\mathbb{E}$ ehantiet reevption at a sticht increase in pelier, When a whif. tuner is iscloded. the forolet soumber remains the satse but with the letter "t' asfect.

The lowest priced madel is the "Comencodore, a tavie model costing from st/6 to s6ts, drgetaling on the fimbs and whether or not it inctudes o ehf. tuner. The "Gencrat" is an ogen-foeed console with the speaber painet belows the screvn; while the "Amhassador" is a lowboy styte cabinet wilh the steaker mounted abongside the eiefury fuble. An efoborate Mreve
moot expensite model, the "Fresblent." Table 1 liats the revimmertised refail prices of the Meffens color Iine.

Like some of the bew RCA eolor reexivers, the Hagmate "Cobloccasters" with the exception of the "Prwaldent" modet. hyv the station sellector and "on-off" wolume coestrot at the upoer side panel. The "President" has all conitrobe on a vertical front panel cheneside the sercen. An tunusual and nowsi frature is the astition of color diale to the bue and corvens-gain coetrols. As liseticated in Fi . 1. the hoe evotret hackgrount dial has a red and creet section at the slites with a Hesh color sefting in the exnter. This belpe the essternit to femermior that, Dy turning the knob to the right, grevilith hues will predominate, while turning it to the feft will incriane the extphasis in the reds. The correct position of the hoe control is indicafed in the viewed picture by the naturalness of the flest eblors. Whern the Besh toprs in the pleture appoar too redilinh. the custoespr will have no elificulty in acriuting in which dirsetion the hoe contret should te turnect.
Toe action of the chroms gain of "ootor brithiance" coestrot is made Eraghle as well. Trree oobor striges. whith faper from the wecherst chroes gain to the saturatioe point where the stribes are thickost are showe in He
int in itlustratine the parpose and actien of the hae and chroens contreds shoubt aveid many service catli due to custoeser mlowisferstaniline.

Arother control that is mos foand in mang ether color recerivers is the Town and Coobiry" switch inctubed in every model. The action of this wwitch is bavically the sams as the "focil-distance" switeh visct in many familiar mpenochreme TV recelores. Its preserace in a color set, however, is fers and will be a consibrralle belp in locations of cirther ewersaine sigens! utreneth or in fringer arwat.

In the "Presidont" moolel. the chase sis is mountect on its slise. with the ister pointing tewart the jikture tote: ased the batsom of the chassis sceeve. sible when the sile panel of the cabinet is remocesl. The other three anodels have the chassis mosinted sire serneath the pictiare tube, but with the frature that the entire chassas slider our at the rear for elayy servicline In ashtion to the cratoeor-oper* ated contruls, itmoet atl of the other isljustiments arr horated under the rer movatte small subpasel belowe the sereen. These controle, tocrther with forter sodjustinests accesaitar froes the fesp of the recoiver, permit the mervioe Iechnician to adjust fee setimam inonsechareme and color performanice.

## Service and lestalleties

Joffstan't selleg is that TV reeolver inatalistion and all service is the fasetion of its distrituters and tealers. the
sigerable basle inatruction in color TV, hwve bees furmished by the factory sod. In ashition. each reeviver is swop plied with a ducram icouplete with frequescles, veltages, and waveforms) fastened on the inslige of the cabinet.
The standard warrianty for one full ywar on the picture tube and 90 days en alt parts is provified by the manufacturev, fterglar inataesation and servie coetracts are avallabie froen locsl dealers. Prieve of these arrvice cootrocts depend on the individaal stope and theat hatuer charges.

Vech "Colbecsuter" is whipped coms pdete and resdy to oprrate bot the ass erate' purchaver $\boldsymbol{n}$ 组 still require an ragort to instati the set Aside freen the aveilatulity of a uabble anterna, the color puirity, oueverarbece and noth chrenifing exetrols almost insariatily reguire indjuatment.

## Circuit Feateres

All of the Roffenat eoloe revelvers tue tasically the wame recelver chawis with only mimor mosificathens, usually frvilite the mumber of tpethers, whif tuner, ete This chavele emegboys eircuitry sescribed in setall in the September 1966 issue of this macarine ind is equite ilintior to the RCA Tlictor receiner described is the Mareh 1905 issur. One of the outstampinc difter: eoces is in the setices of the coetrist and ehroma-gain contrets. Dy coupting these twu evetrols together ant by sorse montifications in the vibeo circultry, the usval protdem of balaseing out evetrast with churoms gatis is etiers inated. Whebever the opotrant exntrot selfing is Changet is correrpondine change takes place in the chroena secthon with the resit that color and T-signal cain track efosety.

Other festures inclade the wee of a synctionguide horimontal osciltator and a.t. stage. insteas of the familist imuthivirater circuit. Atso, in the interests of produring a quality fimiges. there have been alterations in the color prodoring portionat of the tre oelver clecuit.
ticuivions in the latter dircetitn are evecernod mainly with groviling wider bandrases in the collereslgnal circuits. As an campife, twe stages of burst pais amptification hotw precves the color irtsodulater circuits where teie was waed tefore.

Also, the isudely sdogted hith-level narrow-land triode dermodulaters have bevn abandined im insor of lenk-level wiScbassd atages. The ivecivors bie a pair to eolor deteetor stakes ISrntilted at the $X$ Semosilator and the $Z$ Sc mosalator, The $x$ demodutater feeds to the crit of the $R \cdot Y^{*}$ amptilfer. shile outpent from the $z$ omematator is appliect to the B.Y umblifien The G-Y sienal is preafuced from the maxed E-Y and \#F-r slenale

Another alteration is intended to tacititate halaneting out the outputs of the three evans in the picture telbe. Is cartier receiverk sparste controts were frovibed for the thue and gerven cuns, but nose for the red cas. flalance was achieved by maniposating

| NAME <br> Cemendive | 90prz NO. |  | TrPE | $\begin{aligned} & \text { scater } \\ & \text { sसt" } \end{aligned}$ | Fivery | Phact** |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 5xisi | Trble |  | 11* | Mehopant | 319300 |
|  | 28521 | Table |  | 13* | Lined Oen | 4150 |
| Grewral | 72221 | Tule |  | 21* | Solees Maple | 41500 |
|  | Me5t1 | Cusaple |  | 21* | Mateesty | 51500 |
|  | 30541 | Censple |  | 21* | Lined Oit | 71300 |
|  | 76541 | Cennele |  | $1{ }^{*}$ | Soline Maple | 11300 |
| Ambasadar | Mesti | Lrwber |  | 11* | Malepery | 771.00 |
|  | 34581 | Lewloy |  | $23^{*}$ | Linet Oph | 7300 |
|  | 7451 | tawler |  | 21* | Salee Maple | 71300 |
| Freel/est | Matz | 3owes | ana" Cesaple | $2{ }^{\text {* }}$ | Mehepasy | 19s.nt |
|  | 36511 | Teund | and" Cosuols | 11* | Limed Oil | 31569 |
|  | P621 | Teend | exa- ${ }^{\text {- Consele }}$ | $3{ }^{*}$ | Seles Mrple | 115.60 |
| ${ }^{*}$ Dippesel! <br> *"Files lo The whi |  | till tor <br> Men 320 | atsaloctarert 830 liaher. | nel sens |  | netela. |



the blue and green cuetrols along with The master trilliavice eontrol, which atfectat entput of all three cuhe slmuttancously, The prenent arrangrment is easier to aljust: there are separate costruls for the red. green. and blue biths on the lifest "Coboreastras."

For the rest, circuit delen and layweut do hot peesent afy radical depar: thares troen the cesier seti of enther mamifscturers.

Since inatallation and service are not under direct eontrol of the manes. facturer; with pollicy being Aitermined facally by fiatrimutors, there is bo set paltern as to whether the datributor's eervice perreounet or that of the sealer will be repoctainte for the rec evivers after they are in the hands of thrir eservers. Nop is there eny pattern evisint as to shetaer the re ovivers witt be servievd on an indi-vifuat-calt or coetract basla and. if the tatter peaticy is to prevait, what the ceel of the coefracts will be. With this uncertainly, the set maker has apparratly feit ebticatect to make avait. able the best powide thata for use by whometer will be called on to work on the sets. The welt-ithastrsted service


My. 1. Whe at actual exlars os bee eal se lise ast eslet bermeser esesesle is is moks Bele fusetises srapble io the inchnicolly seileitioted. Note ssper at ae blope colies surfes arove4 the cel


tooklets se the "Coborenster" ehassis cive ensplete and Setailed instruc. thons ce proceqfire and affustment.

At the time this articte was prev pared. Heffrown hid schedplied full peodoctlon of all the models discussed Mren. Plans call for the marketine of this color tise thireughoit the 150657 bushexs year. AdSitional models may be released as regulred bot the main Sife has been planned for current Byathatity.
-
no "Ambesebies" levber model avel! atle he eholes of three fisis) +t. let sede is sell Ist ander 1400. Nute nts tes atherier and an e5 whiens cexamit 6 - pper sife pasel whtr sther enstrals eve whder the plickere lere soder Mot jucture betimetill ehtitsis.


