distribution asymmetriles higher settings than at lower ones. Highen invide tombs vause move - Eliminates the theoretical waternale fou night setback. Settings preedict that sawings from setback would be Theemostats do not Move eneugy/fuel is consumed at egstem is made ussible, the when it is cold outside, you fak, on their own, choose heat loss therough the shell of Courset management - (2) Occasionally save eneugy (not dearing it iset high) 4 NRN the operation of the VALVE THEORY APPROACH is The folk theory that its endowised day the expects may not -(1) Save management effort (not adjusting often) must tuen the heat up theumostate is not quanteed to be a good theory for using them. - have feedback A THEOLY that its useful for decigning mechanisms feedback throug." Infeltuation and LEADS TO woulk as well in preactical iday-to-day application." ENERGY USE CONVERTING FROM VALVE TO FEEDBACK MODEL the house. CONS OF CONVERTING TO FEEDBACK MODEL ASSUMPTION meginnes a convension. follows Logically fuem the value cancelled by daten with "Countet action MANAGEMENT EFFORT & IN CONTRAST ALLULUNIG fuom in both reases the value theory THERMAL COMFORT house ferom outside well not fiest suraches the consucct TWO THEORIES OF HOME HEAT CONTROL WILLETT KEMPTON A peuson enteuning a cold feel winum when the ain the theermostat useue would be wealthed of ASSUMPTION accepted comfort PROS OF set sugh. temperature. Highen temperature puorider— faster warmup. HOW WELL DOES EACH FOLK THEORY MEET THE GOALS OF ITS USERS? After turining, expects powsess a full, institutionally sanctioned through, which theory ley wimply adding details and set dy the human operation. cannot contruct the amount of can be accorded at from the feedback suetteh that can be on/off but Temperature is not maintained sey the theumoutat utself. majouity of the population holds a tomeination of A temperature - activated · mouse closely erathen It is a realance hear fewom the fuemace. FUNCTIONALITY OF THE FEEDBACK THEORY DENIED BY these two theoremes. BY USING fuernate curns at a single "Folk through is usedstand to change." HOW? Theory fould that the TWO THEORIES constant speed. the furnace on/off to maintain— Acquired from sclenklyic literature on controlled experiments The theumostat senses the FEEDBACK THEORY - Contuasts folk theory temperature and turns THERMOSTAT SETTING IS CHANGED WHEN TWO THEORIES OF THERMOSTATS INSTITUTIONALIZED an even temberiature - Used day specialists - When entering lexiting the house spec not renewes pond to THE DESIRED TEMPERATURE CHANGES. the mechanism inside - When watering | going to wheep The threumostat conducols the uncoverect even when it prevoides CHARACTERISTICS - Award meatime. THEORY amount of heat. - apply to many analogous istructions * Acquired ferom everyday Uses alestuactions which De la Rocha) expedience our social "Human drings while to connect welated phenomena - enable puedictions - guide svehauiouer - Influence wulls - (Cole & Sculbrue + D'Anduade + Hutchins) FOLK THEORY CHARACTERISTICS Shaered Juy in isocial genout WHAT ? vuesemble phenomena at a culturial depundacy." interactions. · Cognition un euccuyday actileities - (Holland + Lave & Rogolf + Muutaugh & Faust & De l - Connections un discourse - (Agaes + Rice) NAIVE PROBLEM REPRESENTATION (LAUKIN) - vSds of purspositions - (D'Anduade + Kay) Gentmen & Stevens + Johnson Laund) and iter peusistence of iter folk existem itesth a The nonvecognition of wonflicting systems MENTAL MODELS (de Kleen & Burouen + NAIVE THEORY (disessa + McKloskey +
Callomazza & Wilen) INTUITIVE THEORY (MCClosky) rand make remse of the would." RELATED COGNITIVE STRUCTURES THE EXPERTS PERSPECTIVE INFERRED USING - Lakelf and Johnson - Quim CATEGORIES TO MORE COMPLEX DEVELOPED BY ANTHROPOLOGY FROM FOLK EXPANSION OF COGNITIVE METHODS STRUCTURES

MONICA PODDAR WEEK 10: READING

> Expeuts evaluate folk theoruies fuom ithis peuspective.

adjacent systems.

Heating expents consider the value throung uncoverect even wrom The feedback throung. It week with about the same number of weeful preedictions as the feedback throung.