harmless. It is, no doubt, owing to this exaggerated idea of infection that there have been such extreme proposals as the New Zealand Act excluding tubercular immigrants. It is probably due to the same cause that there is some prejudice in Queensland against the building of sanatoria for consumptives. There is not a shadow of foundation for the theory that there is danger to the inhabitants of a township if a sanatorium is erected in the neighbourhood. I trust there will be no opposition to erecting sanatoria for the poor and for paying patients. Bright sunshine, invigorating air, and cheerful surroundings, are conditions which compensate in some measure for separation from family and friends, alleviate the sufferings, and give hope in many cases of permanent recovery.

CONCLUSION.

In the remarks I have made to-night, I have touched upon many controversial points, and I have endeavoured to indicate the lines upon which further research is required. I trust that those engaged in scientific inquiries in Queensland will help to throw light on these points. The report of the new Royal Commission now sitting in London will be awaited with interest, but in the meantime there is no uncertainty as to the course to be adopted by those responsible for the public health. Whatever the result of that inquiry may be as regards the relation of bovine to human tuberculosis, we know that there are many factors in the production of the disease.

The removal of insanitary conditions by the co-operation of the public with sanitary officials, will secure for Brisbane the enviable position of being conspicuous among all the great cities of the Commonwealth, on account of its low death rate and practical immunity from all epidemic diseases.

NOTES OF SAVAGE LIFE IN THE EARLY DAYS OF WEST AUSTRALIAN SETTLEMENT.

(PLATES V. AND VI.)

(Based on reminiscences collected from F. Robert Austin, Civil Engineer, late Assistant Surveyor, W.A., late Sergeant-at-Arms Parliament of Queensland, discoverer of the Kimberley Goldfields, W.A.)

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The following notes deal with an account of a tribe occupying the country around Port Leschenhault, Koombana Bay—where Bunbury now stands—lat. about 30 deg. 30 min. south, long. 116 deg. east—in the district of Wellington, Western Australia. The back country here in the years 1841-8, to which times these reminiscences refer, was known to the natives as i-lap. On the coast the nature of the soil was sandy, although further inland it was rich, fertile, and well watered; all around were large areas of Zamia, * a plant which there attained a very great size. The surrounding country, at this time, had only been settled about eleven years previously.

The habitual posture of sleep was lying on the back, but, as a rule, the head was not raised. A very common position of standing was, in the case of the men, with the sole of one foot resting upon the area just below the opposite knee, the hand, corresponding to the raised leg, being supported on a spear. In walking the foot was very straight; in those cases where it was turned outwards it was noticeable and characteristic, espe-

^{*} Macrozamia Fraseri, Miq.

cially when "tracking" was concerned. The arms were never swung while walking; they always hung straight down, and gave the observer an impression of a very erect carriage. Neither men nor women appeared conscious of any indecency in appearing perfectly nude in public whenever it was expedient to remove their cloaks. The women, however, when sitting on the ground, doubled up one leg, and placed the foot against the fork; when standing, and wishing to talk, the gentler sex would rarely face one, but generally turn more or less sideways. Climbing trees was always effected by cutting alternate nicks, and in swimming the movement was hand over hand, just like a do2.

consistency as wax, and never gets hard-is used as an article coming into blossom; this is of a rich orange colour, and can of die', notwithstanding the fact of its producing great flatu covering, reminding one of the bottle-tree. be seen for miles around. The plant has a very soft kind of respectively the cardinal points north, south, east, and west compass: thus, ja-ral-li, bu-yal-li, i-re, and wu-dal-li denoted guished from day, and also terms denoting the points of the the day was divided. They had a name for night, as distin moon), and the sun (ang-a), according to the elevation of which were reckoned by the moon (miki), ("big fellow" denoting "full" were unerring judges of the weather. Smaller epochs of time lence. They know when to expect the different seasons, and from it—and this is translucent, like jelly, of about the same Travelling at night in the bush was effected by local know The year was marked by the mu-jain (Nuytsia floribunda) The gum exuding

Enumeration took place with the aid of the fingers and toes, separately distinct words being used up to ten; beyond that, everythig was bulla, the idea of multiplicity and plenty. Neither stones, pebbles, twigs, nor marks of any kind ever assisted them in performing the processes of notation.

There was no term expressive of the idea of disease in particular, but the word men-dik included every pathological condition: thus, "ka-ta men-dik" implied headache; "kob-bal men-dik," stomach-ache, etc. They had a superstition that their medicine-men or doctors (bukol-ya, a name also applied to any evil spirit) could make any individual sick by various incantations and charms, and effect cures, under different manipula-

ably prognosticate the length of time, even to a month, before commonly taken in cases of dysentery. The bleeding of wounds otherwise sick, the hair would often be cut. Red gum was very massaging one another. When suffering from headache, or was, there the part was rubbed, women rubbing men, and men were great believers in rubbing or massage. tions, by removing sticks and stones out of the patient's body ordinary colds and chills perhaps excepted. all in all, there was but little sickness among these people may of course have materially aided the convalescence. Taking The total absence of shock to the system, or any dread of death. lapse of time to perfect health was of no unusual occurrence which have been observed—their restoration after a certain Even in the case of spear-wounds through the body-cases full recovery would take place. Their vitality was remarkable their primitive method of treatment, they could almost invaridamage would prove fatal, or the reverse; indeed, practising case of such-like injuries they could always tell whether the being subsequently besmeared with mud and earth. In the was usually stanched with blue-gum leaves, the cut surface They were invariably very good and tender to their sick, and Wherever pain

ravines, with sometimes wattle-work at the end of the drive "drives," fences being built in favourable situations along the for the hind feet to fall into. Wallabies were caught in feet deep, and about 10 inches wide, just leaving margin enough twigs and earth. These pits were about 8 or 9 feet long, 7 or 8 digging along their customary tracks deep pitfalls, covered with only stalked and speared, but trapped on favourable ground by mud dying with the feet, was unknown. Kangaroos were not structed. Any poisoning of the water with noxious plants, or at the bottom of which a kind of basket-work would be conbrushwood intertwined on stakes, with here and there a pocket, were resorted to in swampy channels, these being formed of principally in shallow waters in the estuaries and lakes. Weirs dreamt of; no hooks and lines were used, but the fish speared advent of the whites, the catching of fish with nets was never etc., whither the bird was accuston. to come for water. Hidder himself up amongst the thick foliare of a tree close to the spring A common method of catching emus was, for the hunter to plani woven into a short square basket-work-like mesh with sticks. Their methods of hunting were all primitive. Until the comparatively silent except when specially addressed. some seventy or eighty yards away, and did not come up to the a stranger came to camp, he sat down outside at a distance of fires until invited, when he had food given him; he remained dined together, but the younger single males at a certain age as they passed along. A man would always share with his (puberty and onwards) always had a fire to themselves. When neighbour. In the family circle the men, women, and children natives might pick up during the day anything they could get ing, what was left over being partaken of in the morning. The meals were concerned, the chief one was principally in the evenbeing most methodically slowly cooked in the ashes. So far as care, the bulrush roots in particular, a very nourishing dietary, were eaten roasted, some of the latter being prepared with great covered with it. All meats, and the majority of the vegetables, common, growing down to a depth of quite 3 feet, and running caught with the hands. Grubs were obtained from out of grass-(? Leschenhault Island) in Shark's Bay, used literally to be from the thickness of the finger to that of the wrist. An island latter, the wor-rain, showing thick yellow blossoms, was very of decay, whether the timber was much infested with them or the general aspect of the tree, from the various progressive signs trees and black wattles; the natives could apparently tell from ing new ones when the old ones were broken. Crayfish were much store upon the time and labour expended in manufacturespecially would employ the latter weapons, as they never set the native would stealthily sneak up to the unsuspecting bird under cover of some bushes held in front of him. Emus were brought down with sticks or boomerangs; the younger men winged creatures, especially those flying in flocks, were often never trapped in pitfalls or nets. Cockatoos, parrots, and other of it quite as thick as an ordinary broomstick. In open country of a comparatively heavy type, quite 12 feet long, and a portion thers stuck on to the top of his spear; this special weapon being there, he attracted his prey by means of a tuft of cockatoo fea Many kinds of roots and yams were eaten; among the

Though cannibalism was not actually witnessed, it had been heard of in the neighbourhood. Furthermore, when the human entrails, on being thrown into the fire, began to curl up, if the ends pointed in the direction of any particular individual around, this circumstance boded him ill-luck in the future.

allowed to ferment for several days. The effect of drinking this quently removed and replaced by others until such time as the bility. The aboriginals called the cones and the fermented "mead" in quantity was exhilarating, producing excessive voluwater, in which they were left to soak. The cones were subseof the vat lent itself to that of the trough, and there was one vat of which were kept apart by sticks stretched across; the shape at the ends with fibre into a sort of boat-shaped vat, the sides next stripped from the trees, each piece of bark being tied up for each trough. The vat was next filled with these cones and inches deep. Particularly sound sheets of tea-tree bark were ground, each in the form of a trough about a yard long and 18 liquour produced therefrom both by the same name—the maniquid was strongly impregnated with the honey, when it was the close proximity of which several holes were dug into the flower-bearing cones were taken to the side of some swamp, in it, somewhat on the following lines: - Large quantities of the times they utilised the honey by making a fermented drink of bite into them and suck the saccharine matter out. At other inches long, somewhat after the shape of a sheep crook), would tremity of which was tied a cross-piece about 9 inches or 10 toos. The natives appreciated the honey also, and, pulling a quantity of honey, were especially visited by the black cockaspicuous by its broad leaf, the other by its narrow leaf. Each down the cones by means of a long sapling (close to the exspecies bore cones with pitcher-shaped flowers, which, containing the coast, two species of Banksia grew abundantly, one contry, extending back as it did to some considerable distance from Narcotics were unknown. Upon this sandy tract of coun-

Though not of a common occurrence, a man was considered mad when he committed suicide. Homicide, usually a form of reprisal, was not justifiable, the culprit having to answer for it and to fight his victim's friend at the next gathering; should he not put in an appearance the tribe as a whole would take care that a corresponding life were forfeited. "An eye for an eye, a tooth for a tooth" was the golden rule here as well as elsewhere; an individual speared in the thigh could not wound his adversary in the stomach. Abduction, the taking away of a man's wife without his permission, was most unpardonable. The greatest offence of all, however, and one the vindication of which was taken up by the whole tribe, was that of incest, the

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crime of sexual connexion with one of the prohibited classes. For adultery, the husband could spear his wife in the leg, etc., but not kill her, or otherwise her friends and relations would interfere. At other times, should a man prove particularly brutal to his better half, the other women would "egg" their male relatives on to him.

or when a whale was cast ashore, other tribes would come along plied them with. Thus also, when the swans were nesting, make common property of what Nature had so plentifully supson, would send round for neighbouring families to come and dance of any food plants, game, fish, etc., at any particular seaowners knew exactly what was on their piece of land; they rightful owners. were never selfish about its products, but during the superabunone bird, or one egg, from a nest, leaving the remainder for its if obliged at all, take just enough to appease his hunger--c.y., of a different family, had occasion to traverse it, he would only, light of trespass. Even if an individual of the same tribe, yet track were respected, and any infringements regarded in the country belonging to it—a kind of heritage: its rights over such Each family of the tribe had a more or less defined area of And it was wonderful to note how these

to tell the truth, especially when against their own interests. on, but then it must be remembered that they were not expected game at, unless invited so to do. A good deal of lying went light a fire in the close neighbourhood to cook his own raw claimed it; he would neither come up to the camp, nor even tribesman unless a fued were on, the stranger being always welcome so long as he were well-behaved and courteous. Indeed, hospitality was always very marked, but the recipient never kindness. It was considered wrong to interfere with a non-Kwob ba was the opposite extreme, signifying goodness and was sometimes spoken of as being stone-, or wooden- headed. chaff, in drawing attention to any pet weakness, an individual general usages of the tribe. As a sobriquet, or as a matter of garded rather in the light of a fool for no; conforming to the their behalf. Win-dang expressed the idea of badness, as wantsible for their actions, and other people would no longer fight on ing in common sense, no good, a saucy fellow, one who was reand right were inculcated; they subsequently became responthe young men's noses were bored, certain precepts of wrong At puberty, when, as a part of the first initiation ceremony,

> give them every attention. circumstances prevented this, some one would be left behind to tend their sick, and carry them about from place to place; if contempt. They were very good to their aged and weak, would people, and cowardice brought the delinquent into supreme reprehensible and mean. On the whole, they were a chivalrous to part with it—but such conduct was always considered most to give him so-and-so before another, as he would probably have thus, an aboriginal contaminated by whites would ask you not Only occasionally, and in secret, would the native be gluttonous; hunting on the one day, and yet be unsuccessful on the morrow. was the case indeed, because an individual might be lucky in this way they were very self-sacrificing; it was well that such the other hand, there was hardly any cheating; these blacks would give to one another practically anything that might be Bon-du signified the truth, ku-thum a lie, and ku-lin a liar. On Gluttony was regarded as very unpardonable, and in

A father could do what he pleased with his own children, but neither parent would ever strike a boy; if beaten, the latter was supposed to lose courage. The mother taught her girls, looked after their chastity, and, when considered necessary, beat them. The grown-up lads slept together, separate from the others.

fear of approaching it for some time subsequently to burial. feelings could not be thoroughly analysed, they certainly had a departed hovered round about the grave, and, though their met with, and Austin invariably did his best to destroy this several places, a similar form of nomenclature in vogue, was belief of theirs. They also had an idea that the spirit of the this district had been settled only a few years previously. In peans coming to visit their country. As already mentioned, of whites, and that this was how they accounted for the Eurowere wont to return to their own habitats in the form and shape it to be a general impression among them that deceased blacks names of their deceased, but in this case they believed that this them in the guise of a white man. Austin subsequently found young gentleman in question was their own mate returned to individual in question. As a rule, they never mentioned the immediately gave him the name of wor-kap, that of the deceased that coast was a young architect, one Greensell, who was supposed to resemble one of their tribe lately deceased: the blacks Among the party of men who landed with R. Austin on

burial, some offerings were left generally in the shape of damaged weapons, etc (but no food) on the grave itself, while upon the bark of neighbouring trees was smeared some red paint, (wil-gi), either in complete rings, or horizontally zigzag lines. For some few days onwards they would sweep with bushes the surrounding ground, so as to track anything in the shape of a visitor, human or animal, and very gratified would they be if no tracks were discovered. This brushed part of the grave, when once finally completed, was never by any chance subsequently traversed.

Any doctrine of the transmigration of souls was only hinted at in the fact recorded of blacks returning to their homes after death in the shape of whites.

equally capable of killing or curing, were careful never to offend affected. No special huts were constructed by, or for the use of over his buttocks the ends upon which he sat, he clapped the medicine men, whom the tribes, believing them to be remove a stone or stick by massage, etc., from the part most the alleged enemy. Upon returning to his patient he would noise, which was supposed to either drive away or to appease upon it with his hands, by this means making no inconsiderable to be heard. By stretching his cloak over his thighs and fixing distance, and extinguish it, and then return sufficiently near at night with a lighted fire-stick, go away to some considerable Ventriloquism was never brought into requisition. professed to cure by various manipulations, massage, etc. another offended. Such complaints the doctors or medicine men of their enemies, or persons whom they had in some way or no physically pathological origin, were caused by the charms Thus, if called in attendance, the doctor would leave the camp They believed that diseases, of which they could recognise

The natives here were certainly under the firm conviction that at night time the carth was permeated with evil spirits, whom they feared. Such spirits could be checked or repelled by means of fire, and this was one of the chief reasons why, in the dark, they would never leave their camps without taking a lighted fire-stick with them. In addition, the light precluded the possibility of treading upon snakes, etc., unawares.

Another very common idea amongst these people was that there was always something supernatural lying in ambush in everp deep water, or in any fairly-sized permanent water-hole—some unwritten record of an extraordinarily big orocodile,

snake, or iguana inhabiting it. They would naturally be averse to bathing in such localities, or if they did, would never venture far from shore. From cross-examination on different occasions, Austin was led to the conclusion that individuals having been now and again drowned at these places accounted for the superstition—a phenomenon that he could not otherwise explain,

Tribes were not named after any animal, but children at the time of birth would be named after a particular animal, some circumstance in connection with which may have impressed the mind of the mother, either during pregnancy or about confinement. This was the name by which the child as he grew up was referred to in ordinary general conversation. Anyone so named would not, at certain seasons of the year, partake of his patron-animal, and this quite independently of, and additional to, the special dietaries otherwise prescribed for him by tribal usage.

There was no worship of gods of any description, and the idea of a Creator of all things was conspicuously absent; similarly there was no sign of any diety connected with the sun, moon, stars, or with war.

Whenever the results of previous experience taught them that game and food were sufficiently plentiful, they sent round word to their neighbours to come help partake of it. Such an occurrence would be the occasion of what might be called a festival, when songs would be sung, friendships made and cemented, and corrobborees performed. So also when the nose-boring of the males took place—the actual operation being performed secretly in the daytime—the opportunity was made a festive occasion of so many people being present. Otherwise, even at the birth of a child, or at marriage, no festivities helped to mark the event. There was never any festival of a religious character, and nothing in the shape of prayer or sacrifice.

On the death of a friend, the women (especially the wife and family of the deceased) would, with their finger nails, cut deep gashes in their foreheads and cheeks, pipe-claying in addition the former portion of the face. The men used to whiten the forehead simply.

Women were considered impure and unclean during the menstrual period, when they sat apart at a separate fire.

The position of the corpse, when doubled up before covering over with earth, was invariably towards the east.

Nothing in the way of special superstitions, other than those recorded in these notes, was noticed. That they were extremely fond of their dogs goes without saying; so much so that women were often observed suckling young puppies. They rightly believed that it was the one and the same moon which regularly put in an appearance each month.

Disease and death charms in the hands of doctors and alleged enemies have already been drawn attention to. The medicine men mixed up with other individuals like ordinary mortals, but were dreaded; as a correlative, they were aware of it, and consequently traded upon the credulity of their lesswitted mates. There were no such things as love charms, while the cries of birds and animals (each separately noticeable) were taken not so much as omens but as indications of the approach of strangers, were they friends or enemies.

The aboriginals here had no mythic legends or fairy tales, but could tell many a witty story relative to incidents that had occurred, and principally about individuals. Nothing escaped their observation. When crossing a flat one day along the bank of a river, where a European was building a hut, Austin's black boy pointed to an ants' nest, and spoke to the following effect: "My word! that fellow ant knows more than that white fellow man." On being asked what he meant, the boy explained the dictum on the lines of the settler building his nest far above it.

and he exercised the prerogative upon the death of a tribesand ability were his characteristics; he never put on any "side," and quietness. They were all brought up to supply their own he was not always the oldest man in the tribe, but general fitness ditary, and if a "strong" man, he might nominate his successor; was conferred, but the office was apparently not necessarily hereing, etc. They recognised a head man, on whom a special term proficient in their general ideas, in the pursuit of game, in fightwants, manufacture their own weapons, were almost all equally to be theirs. portions of the land which the tribe in general acknowledged respect for each other's property, and the prior right to certain force, certain rules benefiting the whole community-e.g., the pledged himself to conform to the general rules of propriety in wishes. At the ceremony of the nose-boring, the individual Children invariably respected their parents as well as their There was a uniform attention to decency, peace,

> strife and dispute. and personal applause which constituted the main causes of all was the difference of sex, the gratification of the grand passion, be assailants might kick and bite, they were firmly held. It putting their arms round them from behind; though the wouldwould be held back with their elbows to the sides, their mates and their friends restrain, them. The angered individuals attempted to start any row, the elders would remonstrate with, men were very good-tempered as a rule. If the younger ones some among themselves than the men. Among themselves the truly said that the weaker sex were invariably far more quarrelrevenge, and arouse them to precipitate action. taken by the tribe collectively, it was the women who, in a body, would inflame and incite the men to take measures for happened to be expressed as to what concerted action should be opposite sex; thus, upon the killing of a man, when doubt the women, though they often used to stir up strife amongst the where he chose. No share in the government was taken by the man, to either take his widow unto himself, or to confer her It may be

Each family in the tribe had its own territorial division, its own ka-la or "fire-place," to which it had a prior right, the land being divided ultimately among the sons upon the death of the owner. Though the game was in no sense preserved, each person knew what there actually was on his own possessions, what birds' nests, etc.—very much in the same manner as a European knows the contents of his garden. When anything showed itself in abundance, the neighbours, etc., would be asked to come over and partake.

All being equal, and all being armed, one man was as good as another, hence, as a rule, they behaved themselves one to the other, and, having no fear of death, when they did fight ment. In the case of serious offences, or when inter-tribal interests were concerned, the camp council decided upon the form flogging was never inflicted, and justice, as a rule, was administed with clemency. In the case of wilful murder, incest, etc., lowing lines:—Standing out with one leg forward, a spear was the femoral artery was thus damaged, and in four or five min-

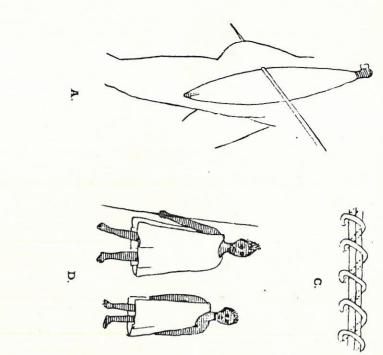
wommers held vertically against the hip, "jobbed" it through leg much in advance of the other, and, resting a spear upon a ring, placed the alleged delinquent in proper position, with one around him with the boy. Three of the former, fully armed with their spears and accoutrements, stepped forwards into the to do anything else than what they had promised, he would ment with his men and guns, and that if they even attempted stand that he should be present at the infliction of the punishsuggested, Austin nevertheless gave them distinctly to underthe boy being speared in the buttock, as they had themselves approval, considering, on the whole, that it was a very easy "let off." Having informed the other blacks of his consent to matter over with his dusky protegé, who willingly signified his on some subsequent occasion. Austin thereupon talked the risk of letting the boy escape then, only to be speared to death better for him to give them this permission than to run the not actually to kill him, and explained that it would be far he would allow the boy to be speared "just a little bit," so as them came to Austin and expressed themselves as satisfied if camp for several days in considerable numbers, crying and mourning for the deceased in the meantime. At last a few of would have to take the consequences. They hung round the they dared to use force or violence in getting him away, they a life. Austin naturally demurred, said it was not fair, that he had determined to protect the boy, and warned them that if pure accident was well known; yet it was the law of a life for wanted to kill the survivor, although the fact of its being a The news spread like wildfire, and the other blacks immediately shot the younger, who was walking behind, and killed him They went away shooting one day, when the elder accidentally camp, and to the elder, about 15 years of age, he gave a gun. prove without interest. Two blackboys were attached to his lowing example which came under Austin's notice, may not cases it was the lex talionis which was enforced, and the folother tribe from whom she had originally been stolen. In all granted in those cases where the woman had belonged to some to death by her relatives; the condonation was not infrequently might be sometimes condoned, though he could legally be put a dignified calm, and, if an ex-tribesman, he could elect to be killed by his own people. A wife's murder by her husband utes the culprit had bled to death. He accepted his death with When the time arrived, the blacks formed a circle

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all the men around began to sob and cry, when they all in a body

teeth in agony, but stood it firmly, and did not break down until

rushed up to kiss and slobber over him.



husband's consent was generally given. great favour (especially as the lady was usually agreeable), the asked his married friend for the temporary loan of his wife as a ra every way, with the exception that if a bachelor friend sexual relationships, and it was only the younger males who talked filth. Their moral deportment was creditable to them our own; they never spoke with strangers concerning their were never beaten. Their sense of decency was parallel with young were always reproved and kept in order, but the boys to collect the mangaitch before the ants got at the honey. unless compelled by want of food, or for any special purpose; e.g. these blacks used to get up comparatively late of a morning, ing so far as to imitate the waltzing of the whites. prove of interest-in one case, under Austin's observation, gowould illustrate in propria persona all that he thought might curious that had come under his observation. In addition, he had seen, how successful he had been in hunting, and anything counted to them the numerous adventures he had had, whom he they would rejoice over the return of the wanderer, who rewas no osculation among the women. After long absences, to kiss one another on the cheek, and hug one another. There With regard to the general custom of salutation, men used

couraged. Certain water-holes and graves were also tabu. names of people deceased were avoided, and as a rule any reference (except by the younger males) to sexual matters distabu to any of the four special divisions of the tribe. birth name had been given. There was no particular food to be anything in connection with that according to which his of families, such diet scales which were only rarely met with, individual, food was always refrained from when it happened or were considered special delicacies. to avoid; they reserved to themselves as elders, and as heads The old men taught the young ones at initiation which diets In addition, for each

which grew plentifully in the close neighbourhood of the coastal exchange were their spears, made from the local "spear-wood," In trading with other tribes, all that they could barter in

swamps. What they received in return included the follow-

for smearing over the body. (a) A sort of red othre, wil-gi, which was used with fat

Darling Ranges. subsequently replaced by glass. This quartz came from the into their spears, which, with the advent of the whites, was (b) Fragments of crystalline quartz, bwor-ral, for sticking

(c) Stone-tomahawks (kod-ja); also from the ranges

jam "Acacia, " from beyond the ranges, in the Avon district. (d) Wommeras (mi-ra); manufactured of the "raspberry

from the same district. (e) Throwing-sticks (dan-ak); made of similar wood, and

(/) Cork-wood shields (hi-la-man); also from the Avon.

individuals interested. from different peoplee, the marks would be cut by the various been aids to memory, but they were absolutely nothing more. When the messenger happened to be charged with messages they bore incised upon them certain marks which might have light coloured wood, which did not ordinarily change colour, They were carried in the hair just over the ear. Made of some length, very much after the style of an English boy's tip-cat. inches long, were pointed at each end, and squared in their himself took the message verbally. These sticks, about two trademarks. men any principle of association, special sharing, or distinctive might be present. There was never among particular tribesavailable there would be sufficient for the wants of all who ticular market whenever they considered the amount of food carrying on the exchanges, but they would proceed to their par-There were no special individuals or actual traders for Letter sticks were in vogue, but the messenger

short, light or heavy, no fixed standards being recognised. at by speaking of anything as being large or small, long or elevation of the sun. Measures and weights were only hinted Distance traversed during the day was measured by the

very bold and determined if it so chanced that they met in steal upon him asleep or awake, though they would both prove challenge his enemy, unless observed; he rather preferred to the open. In the case of inter-tribal warfare, each party came When on the track of an adversary, a black would not

to the attack in open rank, the tribesmen standing side by side;

prisoners were not taken captive, but all killed.

formed, and all the spoil invariably divided impartially and Hunting parties, when game was plentiful, were often

or plenty of the animals they hunted, their nomadic habits being thus easily accounted for. Their migrations were certainly dependent upon the scarcity

she might expect a crack on the head or a spear thrust through indeed, she had to be civil to her husband, as otherwise As a general rule, a wife was very happy and obedient;

in-law. from her husband. Men were invariably kind to their mothersamicably, she would tempt some other fellow to steal her as an institution, but if a woman could not hit it off her husband, if of foreign origin. Divorce was not recognised to whom he had a legal right. women might very probably have been his brothers' widows, but in such cases it must be borne in mind that some of these have up to as many as four wives, with usually a but for each; groups), the gay Lothario would be put to death. A man could or an infringement of the tribal regulations re marriageable prove to be a case of incest (i.e., either too close consanguinity, a tribeswoman, was spearing in the thigh. Should it, however, claim. Punishment for this course of conduct, if the lady were refused to join him, though, in addition, he might have to fight for her with some individual who considered he had a prior would just knock her on the head, or spear her in the leg, if she constituted a very primitive measure. The bridegroom, in posse, and thus a row would commence. This stealing of a wife tarry awhile, and consequently set about stealing someone elsebetter, and ask him to steal her, or the man might not care to broken by the parents, the girl herself might like somebody betrothal often gave rise to many troubles. Faith might be marriage could or could not take place. At any rate the there were certain group divisions of the tribe into which would appear to have always had an important say. Of course betrothal of a girl by her parents, and in this matter the mother There was no special marriage ceremony, beyond the A wife entered the tribe of

deceased husband; if this arrangement were inconvenient, or A widow was taken to wife by the elder brother of her

^{*} A. acuminata, Kenth.

ever, were always first in their attentions. look after her, or failing them, her daughters; the sons, howshe happened to be too old a body, her own blood-sons would

Infanticide was not practised, nor was anything specially

done with twins when they put in an appearance. The conditions of marriage might be shortly expressed as

suckling more than one of her infants at a time. be noticed as belonging to one mother, who might be seen pretty constant. Three or four children would not uncommonly portion of two or three young women to every old one, being would appear to have died before reaching middle age; the proof every two women (with children). Of the latter, the majority were about six men required to provide by hunting, for the wants ones from entering the married state. On an average, there of feud, the older men were always discouraging the younger women, the getting of a wife very often proved a constant source after; and, as owing to the comparative paucity of eligible that a man was always more courageous before matrimony than sometime subsequent to puberty. They had a very general idea ing of the nose-boring initiation ceremony, which took place suitable group relationship, stealth, or betrothal, and the attain-

actually taught; the aboriginals apparently picked it up as time also how to prepare the different foods. Tracking was never ing them how, when, and where to dig for roots, yams, etc., and occasionally get instruction and assistance from their fathers. The mother would look after the education of her girls, teachbut apparently did this by imitation, though they might tainly not instructed in the manufacture of the different weapons, tising on small reeds, etc., to commence with. They were ceruse and exercise of arms; they learnt to throw spears by prac-Children were taught how to climb trees as well as the

ovate-shaped piece of bark, and throwing a 6ft. reed at it as it the ground, with a peculiar turn of the wrist, a more or less boys, up to 8 or 10 years of age, consisted in throwing along A very common game played by both little girls and

hadn't done, what prowess he showed under the circumstances, stand forward with his wommera and recite some adventure of his, telling all about what he had done, and often what he Among the elders and at the camp-fires a man would often

> crosswise over their heads. again would stand up and beat their yam-sticks, etc., held upon the cloaks stretched tightly across their knees. Others position beat time with the flats of their hands, or with sticks, children and old men. Some of the women in the squatting adventures, with embellishments, were depicted. The audience and kangaroo-hunting, etc., though various other personal and pipe-clay. The plays usually performed represented emu at these entertainments consisted in the main of women, over their faces and bodies upon the stripes of red ochre grease, over a hundred yards. As decoration, feather down was stuck mercury in Austin's artificial horizon when at a distance of fully reverberation of the sandy ground was once indicated by the part, while the dancing was of a stamping movement; the about a couple of hours after sundown, the men only took which always took place in the neighbourhood of the camp must have been quite Homeric. In the ordinary corrobborees, ing from what these aboriginals said of themselves, their lives himself upon his pluck, courage and endurance. Indeed, judghow he would fight any one who dared oppose him, and vaunted day; how many kangaroos, etc., he proposed bringing home; tell his wife and children what he intended doing during the family, a black, after shaking his spears, would very generally from camp of a morning, surrounded only by his own immediate from his autobiographical memoirs. Even when starting out. would take his place, and give a similar recitation culled very common, and after his hearers had applauded another man and what a brave man he was. This form of self-adulation was

towards the fires; each hut, from a few to a score of yards apart ment of the camp itself was crescentic, with the "horns" them to shift the sites of their camps. The general arrangescarcity of food in general, were causes operating to compel increasing remnants of old refuse, the superfluity of ants, or some good idea of the substratum. When "at home," the at some very dry stage, the nature of the timber giving them could carry. On the walk-about, halts were made generally property did not consist of anything more than what they over-hand fashion, like a dog. When on land their ordinary utilised for the purpose. They were expert swimmers, handa log lying (not placed designedly) across a creek might be They never employed roads or bridges, though, for instance, was a sharp shout. than high-pitched, though the initial sound to attract attention that particular instance was carefully modulated rather 20 feet, the better so to do, the voice of conversation in miles wide, where they would ascend a tree to a height of about under Austin's observation, over an estuary quite one and a half both speak and reply. In one case that came particularly comparatively great distances were remarkable. They could crystalline quartz (for the spears, etc.), gum, and hair. Their powers of rendering the voice distinct and intelligible over hanging in the armpit; this contained red ochre, pieces of ones-used to carry a small dilly-bag over the left shoulder, old men-this was certainly never observed among the younger selves with all the remaining property. Some of the particularly been caught during the day, while the latter burdened themformer carried the weapons, and any game that might have bringing up the rear some sixty or seventy yards behind. The ling, the men went in front, generally in single file, the women before travellers were allowed within the precincts. In travelfront of the entrance. Permission had to be asked and obtained had its own fire burning at about a yard to a yard and a-half in

grease the head and belly strings before putting them on again. lion colour. Singing all the time, he would finally red-ochre until the skin showed a uniform appearance of a greasy vermildown, and with some fat smear the whole of his body and limbs two. In this mood of supreme self-satisfaction he would squat fellow he looked, and how that he was by far the better of the wife, of course, telling him all the time what a fine, noble spear and wommera, shake them in defiauce at an imaginary arms, thighs and legs. Admiring himself, he would take up a foe, and probably sing a song concerning his own prowess, his and then with the right thumb dab it in rings round his chest, belly strings, he would put the wil-gi powder into his left hand, ments were all in good condition, and removing his head and following fashion :- After seeing that his weapons and accountreelsewhere, etc., he would arrange his toilet somewhat after the individual in question was about to take his departure on a visit the end of a stick over a fire. Supposing now that our subsequently mixed with snake's entrail or iguana fat held at or pounded with a stone to a fine powder. It was also The red ochre, wil-gi, was rubbed up in the hand dry,

The former was first of all wound round the head once or twice, and the hair turned up, then another circle or two, and more hair turned up, until at last the whole of the hair was fixed in the form of an upstanding tuft. He would now consider himself suitably dressed to make a start from camp.

The wife used to paint herself on similar lines, especially if they were a happy couple, and they shared each other's joys and sorrows.

The grease-paint, in addition to serving a decorative purpose, was useful in keeping away the ants, sandflies, and other insects. The renewal of the painting process depended greatly upon the supply of the ochre itself, and whether for the purpose of paying a visit to another camp, they were desirious of appearing at their best. It was not done every day, but if they were young men and fancied themselves they would renew it as often as the inclination took them.

Raised scars, "keloids," or "flash" marks were always to be seen in the males on the breast and arms, sometimes on the back and shoulders, but never on the thighs. On the chest they were each about 2 ins. long, lying in horizontal rows one below the other as far down as the pit of the stomach. Austin observed the scars to be originally made as small scratches, and into each saw them rub "dirt," the particular nature of which he omitted to enquire about. The women were not so strongly marked in front. The keloids here lay rather navel.

They wore a cloak, bo-ka, made of kangaroo hide (some-times with a collar some 5 ins. or 6 ins. deep, which fell over) hanging to just below the knee, and shorter in front than behind. It was worn with the hairy side in, and was coloured on the outside with the wil-gi. It was made of some seven or eight gores (Plate V., hij. b), wider below than above, each prepared from a skin by pegging it out, preparing with ashes, scraping with quartz, and then theroughly greasing until perfectly soft. The sinew, at else with rushes, the separate holes for their insertion being made with a piece of pointed bone (Plate V., fig. c). The ends of the cloak, which was worn differently in the of the right shoulder by means of a toggle and grummet

(Plate V., fig.e). These cloaks were always worn in the winter time, the wet season, i.e., June, July, and especially August. If the parents chose to take the trouble they would clothe their children with similar garments; otherwise, the little ones would have to make shift as best they could, each with a single skin.

In the cold weather it was a common thing for the adults to carry a lighted fire-stick under their mantles, to keep the lower portion of the abdomen warm; this stick was held in the left hand, in between two pieces of bark, just like a coal in a pair of tongs, and as it got burnt up, another would be picked up and lighted as they went along.

In connection with personal ornaments, it may be mentioned at the outset that married women wore nothing except the cloak; it was only the young, unmarried women and the little children who occasionally sported necklaces in the form of two or three rings of threaded grass-reed beads. Even the various accoutrements to be immediately described as pertaining to the men did not constitute any sort of corrobboree dress, but were the "fashion" when travelling, or paying a visit to one's neighbours. When necessary, the hair was cut with a sharp quartz stone, but never cropped as short as the women's; the men cut their whiskers from between the ear and angle of the jaw, so as to leave a beard and moustache, while some of the older ones especially shaved the moustache only. There was never avulsion of any teeth; the nose was bored, but the wearing of the nose-pin exceptional.

- (a) The ka-ta-band (cf. kata—the head) was a piece of red-coloured opposum string, as thick as ordinary twine, wound across the upper portion of the forehead, the thirty or forty coils round the head forming a thick band about one and a-half inches wide.
- (b) A dingo tail was often tied round over the kataband, while
- (c) A bunch of feathers was often stuck into it. This bunch was formed of the pinnules pulled from the stems of white cockatoo or emu feathers, all tied tightly into a bundle, through which a wooden skewer was plunged.
- (d) There was an armlet, always on the left arm, formed of red opossum string, wound round and round at least a score of times. Underneath it a bunch of feathers, without any

skewer, was usually tucked; otherwise this bunch was fastened under the waist-belt at the loins.

(e) The belly-string or waist-band, nul-band, or nul-band, was formed similarly of a great length of red opossum twine, coiled around so as to form a solid mass, quite 2½ to 3 inches wide, and ½ inch thick; in this they carried their tomahawk (kod-ja) behind, and their boomerang (kai-li) on the left side.

Besides the nasal and cicatricial mutilations already referred to there was nothing worthy of note, no circumcision was practised, though the latter rite was prevalent at the time up at Champion Bay, some 300 miles to the northward. On the other hand, the prepuce was always well forward with marked crinkles at the extremity. Children up to five or six years of age were often noticed to have what was apparently umbilical hernia, but this deformity was never observed among the

The striking of the skins or cloaks tretched across their knees, either with sticks or with the hands, as well as the tin-tinabulation of the yam-sticks hit crosswise over their heads, was the only primitive form of music noticeable.

There were no canoes, or any signs of them.

cally, but at an angle. The whole row round having been comeach handful, it must be borne in mind, was not thrown vertiand carried in the bend of the left elbow, were then dropped in at their apices, so as to form a kind of cone-shaped scaffolding. or with bark, the choice of "timber" depending upon its tempopleted, a second layer was commenced, but this time the teenth of an inch thick-having been collected from the trees, where the entrance was subsequently to be), and fixed together ground-surface-some fourteen or fifteen peduncles were stuck handfuls with the right hand into the sand, points downwards; The grass-tree leaves—about eighteen inches long, and one six into the sand, at pretty well equal distances apart (except diameter, with a floor-level unaltered from the surrounding these were from five to six feet high, about four or five feet in rary abundance or scarcity. When made of grass-tree-and two varieties, according as they were built of grass-tree leaves, blowing winds by means of "break winds." The huts were of huts, and occasionally protected themselves from the violence of beautiful climate, though in wet, wintry weather they used As a rule, these people lived in the open in this temperate,

PLATE VI.

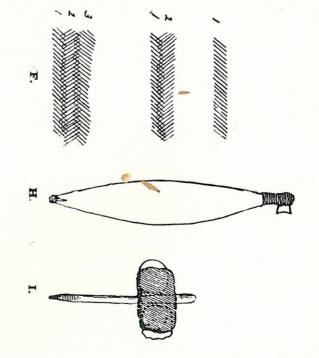
put in to fill up the gap. structure proceeded, the builder himself would occasionally from same direction as the first (Plute VI., fig. f), and so on alternately, bottom so as to act as a foundation for what was necessary to the light coming through; he would then start again from the the inner side look out for any weak spots which were located by the gradually narrowing interspaces left by the peduncles. As the until getting higher and higher, they became wedged in between layer would have its constituent leaves of course placed in the interlacing with one another as in a cheval-de-frise; the third bundles were fixed at an angle with those of the first, the leaves

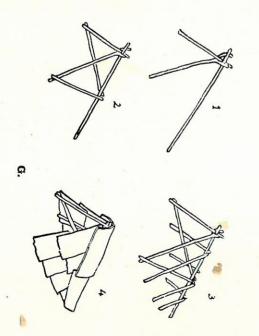
stay, was fixed a projecting bark ridgecap (Plate V.J., fig. 11). the middle of the back-stay to the lower end of the main-stay ginals built themselves bark huts, their primary scaffolding of the ones underneath; on top of all, along the line of the back. bark was put on from below up, the pieces above overlapping which together supported the final covering of bark-sheets. The while cross-wise were placed (not tied) several additional sticks, ing was formed of two thick pieces attached each from about which consisted of two forked sticks, and a backstay; if the latter were forked, so much the better. The secondary scaffold When the grass-tree leaves were at all scarce, these abori-

twined with a few additional ones hanging overhead at the The break-wind was a semi-circular ring of bushes inter-

the lighted sticks would be carried along under the men's or firesticks ever proved at all unsuitable through wet, or scarce, gentle breath. If the necessary timber for manufacturing these of a dead log) lying close below. As soon as the smoke apof train to the fine dry shreds of fibre (scraped from the inside same nick was next placed some of the powdered "fluff" (from cut, so as to connect it with the surface edge. Within this was twirled, and as soon as the "pit" was produced a nick was to another stick fixed horizontally, the wood so employed being women's cloaks. peared, this "sawdust" or "tinder" was fanned into flame by a the dried-up flowers on the peduncle-top), which acted as a sort piece was bitten out with the teeth, upon it the vertical piece the grass-tree peduncle. The flat surface on the horizontal Fire was produced by twirling a stick, held vertically, on

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and down his left outer thigh, in squatting position, with correat his left side, the operator would pick up a piece, roll it up formed of two round pieces of stick, each about 3 inches long, sponding hand, and, fixing it length to length, roll the string so a piece of jointless rush, a very tough kind of wire-grass without single strand, and not in any sense too strong. They further males only: From a heap of opossum hair well rubbed together, of it, mixed with grass-tree gum, for fixing the sharpened shell as string, but often observed them employing longish strands any blades on it. Austin never saw any human hair per se used used for sewing purposes, when sinews, etc., were not available. tied crosswise, the shape of a cross. The string itself was of formed on to a distaff with his right hand. This distaff was more hair, more gum, heat, and so on. hair, then covering with a coating of gum, and heating; again fixing process in these cases consisted in tying first of all with into their wommeras, the barbs on to their spears, etc., Opossum string was manufactured as follows, and by the

Up to the time of the advent of the Europeans they never manufactured nets. The nearest approach to anything of this sort was the basket-work arrangement at the end of a wallaby drive, formed of thin sticks stuck into the ground, and then wattled horizontally in and out with rushes.

The dilly-bag (go-ta) was used by the women only, slung up by a piece of string, and carried round the neck, so as to hang down over the back. It was formed of a long piece of dressed kangaroo skin, folded over, and sewn at the s.des, leaving just a slight cover.

Omitting for the present the specially-constructed weapon for catching emu, these people had three varieties of spear—ked.ji, all made from a very hard and straight wattle, the timber of which gave the name to the instrument; the process of manufacture was simple, the sapling being just stripped of its bark, which left it a bit "ribby," then scraped where necessary, and subsequently straightened by holding it over some heated ashes, and bending it with the teeth and hands into the required shape. They were all about 10 feet long, and from \(\frac{1}{2}\) inch to \(\frac{1}{2}\) inch in diameter, with a rounded point about 6 inches long, and invariably thrown with the wommera. Such a one constituted a fish-spear. The quartz-spear bore along a vertical length of the tip numerous pieces of quartz crystal, subsequently

replaced by glass, fixed in position with gum. The barbed spear had tacked on to it, about an inch or two from the point, by means of hair and gum, a spatulate concave piece of wood, about 2 inches long, wider at its free than at its fixed extremity. The blacks each ordinarily carried about with them during the day one quartz-, one figh-, and two barbed spears; if on the warpath, the fish-spear would be discarded for an additional quartz one.

The wommera (mi-ra) (Plate VI., fig. h) was formed of a perfectly flat piece of any hard wood, cut into a leaf-shape pattern; it was about 2 feet long, 4 inches or 5 inches wide, and \(\frac{1}{4} \) inch to \(\frac{3}{2} \) inch thick. Both extremities were covered with hair and gum; a kangaroo tooth fixed at the distal extremity acted as the hook, while a piece of concave-edged shell, firmly planted into the haft laterally, played the part of spear scraper and sharpener.

carried on the loins, under the waist band, the handle hanging also of advancing. When not in actual use the implement was along the upper portion of the fold of the buttocks. afforded the climber not only a means of steadying himself, but tree more or less horizontally, and, held close to its insertion, hardened with fire and sharply pointed, was jobbed into the bark to get a firmer foothold, while the sharper was employed The rough stone-edge was used for smashing or bruising the for actual cutting; the lower end of the handle, previously This implement was particularly used in the climbing of trees. ground fairly fine. The width across, at their extreme edges, was quite 5 inches, and its gross thickness about 11 inch, was comparatively rough and blunt, while that of the other was sion of there being but one; the exposed edge of one of these stones handle 8 inches or 9 inches long, each with two stones fixed on opposite sides with gum and hair, at first sight giving the impres-The tomahawk (kod-ja) (Plate VI., fig. i) consisted of a

Boomerangs (kai-li) were made of the "jam-wood" Acacia, a tree which grew favourably for the required shape. They bore no regular pattern in the way of marks beyond some zigzags and strongly incised straight lines, and sometimes these were absent altogether. Older men used them for fighting purposes, younger men for throwing at birds, etc. Austin never observed an individual carrying more than one of these weapons at a time.

The ordinary yam-stick (won-na) was a rounded piece of wood, not quite as thick as a broom-handle, about 6 feet long, scraped, and hardened with fire at one extremity. Though primarily devised for digging up roots and yams, the women also used it for fighting purposes, in the procedure of which they adopted three lines of defence: held with both hands vertically, to the right, to the left, and horizontally over the head.

Nothing was observed on the immediate coastline here with regard to rock carvings, mural paintings, etc., though Austin discovered some beautiful examples subsequently on the Murchison.

They were not an emotional people, and were able to express themselves by signs, independently of speech. The showing of the teeth, with the beard firmly clutched in between, was a common gesture indicative of anger, and the likelihood of a row.

Austin does not believe that there were ever more than from twelve to twenty heads of families constituting the groups, each with its particular territorial divisions, who together made up the tribe, extending between the Murray River and Koombana Bay. They evidently avoided too close intermarriage.

On the whole these primitive people were amenable to the standard of honour imposed by their tribe; they were equally expert in the use of weapons, and, while restrained by those unwritten laws which tended to maintain order and insure the general comfort of the community, they were prepared to fight to the death, and go coolly and deliberately to mortal combat in the face of all men.