Data:

Part 1 –In California, U.S.

Table 10.1 -Mouse1 (U.S.):

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| Number of Trials: | Time: (minutes –sometimes rounded to nearest 5seconds) | Observations: | |
| Course Taken (order of subsequent corridors entered during run –as seen on diagram of U.S. maze) | Other:  (Mannerisms, agility, speed, behavior, habits, etc.) |
| 1. | 0:45 | ABDCGHEFGIJLMN | Hyperactive and agitated. Interminable oscillations and repetition. Not concerned with surroundings, seems only worried about finding his way around. Encountered and entered every dead end. |
| 2. | 1:30 | ABDCDBABAEGEFDCEDFBABECJLN | Sniffing walls, more occupied with surroundings and materials of maze. Still slightly agitated. |
| 3. | 4:30 | ABDCEGIJKLMLJIHGEFBABEGIJLMLJIFHGEDCEGJLMN | Not familiar with surroundings, but slightly more relaxed than previous trials. Easily gets lost. Repetition of dead ends and sections EGIJLMB. |
| 4. | 3:00 | ABEGHGEDBABCEGEFBADEGIJLMNLKLMN | Continues with pattern of moving back and forth incessantly. Expects a few of the turns and seems to recognize dead ends before reaching the end in contrast to trial 3. |
| 5. | 0:50 | ABEGIJLKLMN | Remarkable improvement in agility and speed. Seems to expect some of the turns and he is much more confident in his movement, however he does still enter K |
| 6. | 0:40 | ABDCEGIJLMN | Much more confident and expectant of turns. Avoids all dead ends except D. this is probably because he can smell the cheese and food on the other side of the wall. |
| 7. | 3:00 | ABDCEFEGHGEFBABFEGIJLMN | Does not progress in terms of memory in this trial. Enters deadens he had long since avoided. Appeared unfocused. Continued sniffing and occupying himself with the materials of the maze once again. |
| 8. | 0:29 | ABDCEGIJLKN | Fastest run, and most agile. Quick even speed distributed over long stretches of maze –expected turns. Focused and seemingly occupied with completing the maze and reaching his food. Officially memorized the maze. |
| 9. | --- | --- | --- |
| 10. | --- | --- | --- |
| 11. | --- | --- | --- |
| 12. | --- | --- | --- |

Table 10.2 -Mouse 2 (U.S.):

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| --- | --- | --- | --- |
| Number of Trials: | Time: (minutes –rounded to nearest 15seconds) | Observations: | |
| Course Taken (order of subsequent corridors entered during run –as seen on diagram of U.S. maze) | Other:  (Mannerisms, agility, speed, behavior, habits, etc.) |
| 1. | 1:05 | ABDCBABEGIJLKN | Hit every dead several times, back and forth. Easily confused and lost. Over-active and scared. Very high speed. |
| 2. | 6:00 | ABDEGHGEBABDCFBABEGHEFDEGHIJLMN | Hit most dead ends. More relaxed. Trying harder to familiarize himself with surroundings. Uncertain of direction. Sniffing walls, moving back and forth. |
| 3. | 2:30 | ABDEGHGEBABDCFBABBEGHGEFDEGHIJLMN | Reluctant to leave cup and enter maze. Still slightly excessively active. Avoided dead end K |
| 4. | 0:40 | ABEEGIJKLMN | Very confident, however went quickly into K. Did not oscillate between two corridors and maintained a sense of direction. |
| 5. | 4:45 | ABEGIHGEABEGIJKLMLJIHGEFDABCDCEGIJLMN | Confident, however, often lost and regained habit of repetition and seemed disoriented. |
| 6. | 3:20 | ABCEGIGHGHGEBABEGHIJLMN | More confident than trial 5, however, still not up to the speed in trial 4. Seemed not to know how to get out of junction GHI. It seemed trapped there and unable to escape. |
| 7. | 3:00 | ABECDCDFEDCEGEFEGIJLM | Grows increasingly confident and seems to have understood to avoid dead end K. Higher speed then before. |
| 8. | 1:30 | ABEGHIJLMN | Unprecedented improvement in ability to predict turns and avoid dead ends. Avoided CDKF |
| 9. | 3:00 | ABEDCFEGHGEDEGIJKJLMN | Apparently preoccupied with scratching himself and was very reluctant to enter the maze. Manifested a very sluggish manner and seemed disinterested. |
| 10. | 1:00 | ABDCDCEGIJLMN | Seemed to have an inspiration of confidence. Undertook fast spurts of foresight in predicting turn in the maze and manifested higher speeds when turning corner BE. Avoided dead end F |
| 11. | 0:31 | ABDCEGHIJLKLJKLMN | Despite his many mistakes and entrance of several dead ends, he was able to show a mastery of the maze by the speed with which he maneuvered around corners and by the sub-conscious nature of the method he used to decide which way to turn at junctions. |
| 12. | 0:25 | ABEGIJLKN | Manifested a great deal of foresight and confidence in its decisions. Maintained a relatively high speed. Officially memorized the maze. |

Table 10.3 -Mouse 3 (U.S.):

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| --- | --- | --- | --- |
| Number of Trials: | Time: (minutes –rounded to nearest 5seconds) | Observations: | |
| Course Taken (order of subsequent corridors entered during run –as seen on diagram of U.S. maze) | Other:  (Mannerisms, agility, speed, behavior, habits, etc.) |
| 1. | 4:30 | ABDCDBABEFEGHGIJKLJHIJLMLMN | Relatively relaxed to the first trials of the previous 2 mice. However still made Interminable oscillations and repetition of corridors. Not concerned with surroundings, seems only worried about finding his way around. Encountered and entered every dead end. |
| 2. | 3:45 | ABABDEFEDCEGHGHGHIJKLKJIJLMLMN | Less active in comparison to other mice. More relaxed, but nevertheless, lost and confused. |
| 3. | 5:00 | ABDCEFDFEGIJKLMLJIHGEFBABEGIJLMN | Not familiar with surroundings, and slightly more relaxed than previous trials. Easily gets lost. Repetition of dead ends and sections GIJKLM. Never moves with a high speed. |
| 4. | 2:20 | ABDEGHGIJKLKMN | Discontinues pattern of moving back and forth incessantly. And actually seems to have some understanding of his direction. Expects a few of the turns but has trouble dealing with the HGI junction. However he seemed slightly more lively in this trial. |
| 5. | 0:50 | ABEGHIGIJKLKLMN | Substantial improvement in navigation of the maze around the primary junction, BDCEF. Seems to expect some of the turns and he is much more confident in his movement, however he does still enter K twice. His time here shoes a significant improvement from trial 3. Slightly preoccupied with his material surroundings. |
| 6. | 3:15 | ABDEFEGEGEGHGIJGEFEGIJLMN | His confidence was still very high, however, he did not manifest any mastery of the maze. In fact he seemed quite troubled at rediscovering dead end F. Which he tried to run through several times. His sluggish behavior at the start is no longer present and he is nearly as alert and as quick as mouse 2. |
| 7. | 4:25 | ABDCEFEGHGEFEFEGHGEFEDBABEGIJLMN | He grows increasingly weary of having to run out of the cup and enter the maze. He seems to be sorely afflicted by having rediscovered Corridor F. He spent over 3min running in and around it. But once he reoriented himself in accordance with F, he seemed to find his way through the rest of the maze with great ease. Avoided dead end K. |
| 8. | 0:50 | ABDCEGHGHIGHIJLKLMLMN | On par with this subjects last fastest run. However in this run he seemed not to make as many pauses to scout his vicinity and although he made more mistakes than the last 50sec run he appeared to manifest a greater mastery of the maze when it came to his speed relative to corners and dead ends. He would anticipate some of the turns. |
| 9. | 0:28 | ABABEGIJLMLMN | An almost perfect run, except for the stutter of uncertainty at the ML junction. He appears surprisingly alert, focused and motivated (but perhaps less so than in trial 5), however, here, he seemed to anticipate upcoming turns more readily than in trial 5, this accounted for the remarkable time of completion. Officially memorized the maze. |
| 10. | 4:30 | --- | --- |
| 11. | 5:50 | --- | --- |
| 12. | 3:20 | --- | --- |

Table 10.4 -Mouse 4 (U.S.):

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| --- | --- | --- | --- |
| Number of Trials: | Time: (minutes –sometimes rounded to nearest 5seconds) | Observations: | |
| Course Taken (order of subsequent corridors entered during run –as seen on diagram of U.S. maze) | Other:  (Mannerisms, agility, speed, behavior, habits, etc.) |
| 1. | 7:00 | ABADCEDEFEDEGHIHIJLMN | Slightly agitated but otherwise this subject is the most serence and taciturn of them all. Interminable oscillations and repetition. Not concerned with surroundings. Encountered and entered every dead end except K which was avoided entirely. Stayed for along time in dead end C |
| 2. | Greater than 10min | ABDCDEFEC | Content to sit for periods of greater than 7min in a single location. Remained in dead end C for approximately 7min. Curled up tightly and seemed scared but nevertheless content to sit still. Stirred by the cup attempting to pick him up, but otherwise remained still for long periods of time |
| 3. | Greater than 10min | ABABC | After release into the maze he headed almost directly for dead end C where he remained for the remainder of the 10min in a state of quiet but not relaxed stillness. Periodically shifting position. |
| 4. | Greater than 10min | ABDEFEGEC | Appeared to have trouble locating dead end C for the first min of the trial, but after locating it, he resumed his state of tranquility and motionlessness. Occasionally gnawing on the wall of dead end C |
| 5. | Greater than 10min | ABEGEC | Increased sluggishness and carelessness. Decrease in agitation and becoming more familiar and comfortable with surroundings. Once again located dead end C in the first few minutes and remained there until the conclusion of the 10min |
| 6. | Greater than 10min | ABABDC | Increased lack of incentive to even run. It simply will hop or make little spurts. Always retreats to dead end C. |
| 7. | Greater than 10min | ABC | Shows some progress in terms of memory in this trial. It locates dead end C without entering any other dead ends. Again demonstrated and increased lack of incentive to run. It simply will hop or make little spurts. Always retreats to dead end C and remains in a relatively motionless state until the finish of the 10min |
| 8. | Greater than 10min | ABEFEGEC | Takes him slightly longer to locate dead end C. Shows no incentive to run the maze, or locate the food/cheese. |
| 9. | Greater than 10min | ABD | A change in behavior is noticed when the mouse does not even care to locate dead end C any longer. He appears sufficiently familiar with the surrounding environment that he is simply content to sit and do nothing anywhere he can. |
| 10. | Greater than 10min | AB | Removing him from the cup and getting him to enter the maze is a most difficult task. This apathy and indolence grows until he barely even runs out of the start portion of the maze. |
| 11. | Greater Than 10min | ABEC | The mouse can no longer be cajoled into exiting the cup; I am forced to shake it in order to exact his exit into the maze. He runs from the shock of the shaking glass but then quickly resumes his position in dead end C. And remains still and motionless until the end of the 10min |
| 12. | Greater than 10min | ABD | The shaking glass, which is necessary to remove him from the glass, once again startles him but he then settles down. He appears more relaxed and tranquil than trials one through six and he remains this way, at the end of dead end D for the rest of the 10min. |

Table 10.5 -Mouse 5 (U.S.):

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| --- | --- | --- | --- |
| Number of Trials: | Time: (minutes –sometimes rounded to nearest 5seconds) | Observations: | |
| Course Taken (order of subsequent corridors entered during run –as seen on diagram of U.S. maze) | Other:  (Mannerisms, agility, speed, behavior, habits, etc.) |
| 1. | 0:50 | ABDCEFEGHIJKLMN | Very Hyperactive and agitated. Moved from side to side as it ran through a corridor.. Not concerned with surroundings, seems only worried about finding his way around. Encountered and entered several dead ends. |
| 2. | 1:20 | ABCDCFEGHGEGIGHIJLMN | Sniffing walls, more occupied with surroundings and materials of maze. Still slightly agitated, but not as much as trial 1. maintains habit of walking in a zigzag as it traverses the corridors of the maze |
| 3. | 4:40 | ABCDCEABABEFEGEGHGIHIJLMN | Very occupied with climbing the walls of the maze and sniffing the ground and running n haphazard direction. Perhaps exploring the territory. Maintains a relatively high speed throughout all trials. Alert and active. Avoids dead end K once again. |
| 4. | 2:15 | ABDEHIGIJLMLMN | Not so much occupied with the materials of maze, more interested in finding food/cheese. Moves in an exploring manner, speeding up at turns that he knows and slowing down at complex junctions. Still active and alert. Avoided dead end K again. |
| 5. | 0:50 | ABEGIHIJKLMN | Remarkable improvement in agility and anticipations of upcoming sections of the maze.. Seems to expect some of the turns and he is much more confident in his movement. Appears to have gained a certain level of certainty with regard to his movement. However it does still enter K briefly. |
| 6. | 1:35 | ABCEGIJLMLN | Much more confidant and expectant of turns. Avoids several dead ends including D even though it can smell the cheese and food on the other side of the wall. Seemed to confuse C and E briefly at the start of the run. Alertness and high speed running are still prevalent in his runs. However, he also shows that he recalls not to enter K. |
| 7. | 0:25 | ABEGIJLMN | Makes a breakthrough run. Shortest maze distance is acquired. Anticipates the turn into E with great precision. Maintains high speed and no longer runs from side to side as it runs through the corridors. Runs in straight lines. Has foresight not to enter corridor H. Officially memorizes Maze. |
| 8. | --- | --- | --- |
| 9. | --- | --- | --- |
| 10. | --- | --- | --- |
| 11. | --- | --- | --- |
| 12. | --- | --- | --- |

Table 10.6 -Mouse 6 (U.S.):

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| --- | --- | --- | --- |
| Number of Trials: | Time: (minutes –sometimes rounded to nearest 5seconds) | Observations: | |
| Course Taken (order of subsequent corridors entered during run –as seen on diagram of U.S. maze) | Other:  (Mannerisms, agility, speed, behavior, habits, etc.) |
| 1. | 0:55 | ABDCEFEGHIJKLMN | Rate excited and over active. Interminable oscillations and repetition. Not concerned with surroundings, seems only worried about finding his way around. Entered dead ends: DCFHK –all of them |
| 2. | 1:50 | ABCDBABEGHIJKLMN | Did not enter dead end F. Spent several seconds in his excited state, sniffing walls, and was more occupied with the surroundings and materials of maze. Active and Still slightly agitated. |
| 3. | 3:45 | ABDCEBABEGHIGEGHIJLMLJIHIGEGHIJLMN | Shows very little knowledge of maze structure. Not familiar with surroundings, but slightly more relaxed than previous trials. Is easily confused and backtracks often. Easily gets lost. Repetition of dead-ends and sections GHIJL. No longer enters dead end K or F. |
| 4. | 2:40 | ABABECDEGHIJLMLJIHIJLMN | Continues with pattern of back tracking often. Expects a few of the turns and seems to recognize dead ends before reaching the end. Completely avoids dead end K and F once again |
| 5. | 1:35 | ABECGHIJLKLMN | Wastes several seconds gnawing on the wall of H and I. Remains active and energetic in his runs. Demonstrates foresight by not entering dead ends K and F for the third time in a row. |
| 6. | 3:30 | ABDCEBABGHIJIHILMN | Becomes slightly uninterested in completing the maze and slows slightly to examine his surrounding some more. Remains active in his new objective, but not in running the maze. Stays in I for over 1 min, climbing the walls and gnawing on the corners. Again does not enter K or F. |
| 7. | 1:25 | ABDBABCEGEFEGHIJLMLJMN | Increases speed and anticipation of corners. Enters dead ends he had long since avoided –entered F briefly. Appeared unconfused by this misfortune. Was slightly more focused on completing the maze in this trial than in the previous trial. Did not make any hesitant moves. But did back track over corridors BAB. |
| 8. | 0:30 | ABDCEGIJLKN | Must efficient run, demonstrated confidence and certainty in decisions. Quick even speed distributed over long stretches of maze –expected turns. Anticipated complex junctions. Officially memorized the maze. |
| 9. | --- | --- | --- |
| 10. | --- | --- | --- |
| 11. | --- | --- | --- |
| 12. | --- | --- | --- |

Table 10.7 -Mouse 7 (U.S):

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| --- | --- | --- | --- |
| Number of Trials: | Time: (minutes –sometimes rounded to nearest 5seconds) | Observations: | |
| Course Taken (order of subsequent corridors entered during run –as seen on diagram of U.S. maze) | Other:  (Mannerisms, agility, speed, behavior, habits, etc.) |
| 1. | 8:25 | ABDCBABEFECFEGHIHGEGIJLMLKJIHGIJLMN | Very agitated and jumpy, but weak and sluggish to react. Looks rather sick and feeble. Did not struggle when transported from cage to maze. Easily confused, uncertain. Appeared scared but remained relatively inactive for the most part Interminable oscillations and repetition. Not concerned with surroundings, seems only worried about finding his way around. Encountered and entered several dead ends. The mouse appeared to have a bloated midsection. |
| 2. | 7:55 | ABDCDBABAEGEFDCEDFBABECJLN | Increased activity and slightly more aware. However, still comparatively weak and sluggish. Remains jumpy and scared. Stutters and s indecisive. Remains in one place for prolonged periods of time. |
| 3. | Greater than 10min | ABDCEGEFBABC | Not at all interested in surroundings. Suddenly very weak and feeble. Reluctant to move. Makes little spurts when necessary and other times remains curled up in the infamous dead end C. Easily confused by junctions and gets lost and is forced to back track through corridors BABE |
| 4. | Greater than 10min | ABDEC | Begins to show reluctance to even exit the cup. Heads for dead end C and pulls tightly to itself here. Remains curled up, week and feeble for the remainder of eth 10min. Highly inactive. |
| 5. | Greater than 10min | ABEGIGEDC | Has some trouble locating dead end C and only arrives their after running the lower half of the maze for a couple minutes. Continues in it’s weakness and lack of activity. |
| 6. | Greater than 10min | ABD | It refuses to leave the cup. Therefore some shaking is necessary. This visibly agitates the mouse however, it does not make any such powerful attempt to run as mouse 4 had done, it simply gave a little spurt and ran into corridor B where it lay to rest until the conclusion of the 10min. |
| 7. | Greater than 10min | ABEFEG | Does not progress in terms of memory in this trial. Enters deadens other mice had long since avoided. Appeared unfocused, weak and inactive. Entered dead end F where it rested for a few minutes and then moved into corridor G until the 10min were complete |
| 8. | Greater than 10min | ABCD | Again manifests qualities of fatigue and weakness. Inactive and feeble it curls up at the end of D after a it spends a few minutes in C. Again it was necessary to shake the cup to make the mouse enter the maze. |
| 9. | Greater than 10min | A | This time it didn’t even run, it simply jerked it’s body out of the cup as I shook it and then curled up in the entrance to the maze, corridor A. The same conditions described above were seen. |
| 10. | Greater than 10min | ABEDC | It appeared to gain a bit of strength between trial 9 and trial 10, so now it was able to make e few short spurts into the maze, settling in the dead end C waiting for the 10min to expire. |
| 11. | Greater than 10min | ABEGH | It seemed slightly more active in trial 11 because it made an effort to run the maze. It was slightly less feeble in its initial attempts. It made its way to H in the first 2min where it stayed ,once again curled up for the remainder of the 10min. |
| 12. | Greater than 10min | ABABE | Shaking of the cup was required to cause the mouse to enter the maze. This caused the initial spurts of movement which brought the mouse to it’s resting point, the corridor E, where it stayed for the rest of the 10min. Sometimes shifting position and gnawing on the corner. It’s large bloated and frail body lay curled up for the final 10min. |

Table 10.8 -Mouse 8 (U.S.):

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| --- | --- | --- | --- |
| Number of Trials: | Time: (minutes –sometimes rounded to nearest 5seconds) | Observations: | |
| Course Taken (order of subsequent corridors entered during run –as seen on diagram of U.S. maze) | Other:  (Mannerisms, agility, speed, behavior, habits, etc.) |
| 1. | 0:40 | ABCDEFGHGEGIJKLMN | Hyperactive and agitated very quick and active. Interminable oscillations from side to side as it runs the length of the corridor. Not concerned with surroundings, seems only worried about finding his way around. Encountered and entered every dead end in the maze. Very quickly passed in and out of dead ends because of it’s agitation. |
| 2. | 1:25 | ABDCEGHIGEGIJLKLMN | Gnawing on corners, sniffing walls, more occupied with surroundings and materials of maze. Still slightly agitated. And very active. Maintains high speed. Avoided dead end F |
| 3. | 3:55 | ABDCEGIJKLMLJIHGEGHIJLMLJLMN | Still highly active and energetic but not familiar with surroundings, and slightly more relaxed than previous trials. Easily gets lost and backtracks often Repetition of dead ends and sections. Avoided dead end F again |
| 4. | 2:35 | ABEGHGEDBABCEGEFBABEGIJLMNLKLMN | Avoided dead ends F and C. Continues with pattern of moving back and forth incessantly. Begins to anticipate turns as he approaches them. (Ex: the turn of GI) Relatively calm, compared to trial1, but still sufficiently active. Makes use of energy in examining its surroundings and chewing woodchips |
| 5. | 0:55 | ABCEGIJLLMN | Remarkable improvement in efficiency. Seems to expect some of the turns and he is much more confident in his movement, however he does enter C. Avoids dead ends K and F and D |
| 6. | 0:35 | ABEFEGIJLMN | Expects turns more readily than before. Much more confidant and expectant of which way to go at junctions. Avoids all dead ends except F. |
| 7. | 0:28 | ABEGHIJLMN | Does not progress in terms of memory in this trial, because he still enters K. But he makes a substantial improvement with regard to his time because it deals wit the top part of the maze (ABDCEGF) with a great deal of efficiency. |
| 8. | --- | --- | --- |
| 9. | --- | --- | --- |
| 10. | --- | --- | --- |
| 11. | --- | --- | --- |
| 12. | --- | --- | --- |

Table 10.9 -Mouse 9 (U.S):

|  |  |  |  |
| --- | --- | --- | --- |
| Number of Trials: | Time: (minutes –sometimes rounded to nearest 5seconds) | Observations: | |
| Course Taken (order of subsequent corridors entered during run –as seen on diagram of U.S. maze) | Other:  (Mannerisms, agility, speed, behavior, habits, etc.) |
| 1. | 0:45 | ABCDEGHIGEGIJLMLKLMN | Hyperactive and agitated. Excessively motile, and increasingly frivolous. Interminable oscillations and repetition of section GEG. Not concerned with surroundings, or the time being. Seems only worried about finding his way around the maze, and exploring the boundaries of his territory. Encountered and entered every dead end except F |
| 2. | 1:50 | ABDCDBABAEGEFDCEDFBABECEGIJLN | Appears fairly excited. Often stops to gnaw on the wood panels. Sniffing walls, more occupied with surroundings and materials of maze. Still slightly agitated. Avoids dead end K |
| 3. | 4:10 | ABDEGIJKLMLJIHGEFBABEGIJLMLJIFHGEDEGIJLMN | Still Not familiar with surroundings, but acts more relaxed than previous trials and his speed has decreased slightly. Easily gets lost and confused. Repetition of dead ends and sections DEG |
| 4. | 3:20 | ABABDEGEFEGHIGEGIJLMLJIJLMN | Continues with pattern of moving back and forth incessantly but also backtracks several times. Expects a few of the turns and seems to recognize dead ends before reaching the end. He also avoided dead end C and K |
| 5. | 0:35 | ABCEGIJLMN | Significant improvement in course taken except for the brief entrance of dead end C. There was also an improvement in agility and speed because of focus or incentive. Appears much more confident in his movement. |
| 6. | 1:45 | ABDCEGIJLMN | Much more confident and expectant of turns, develops a certainty when he approaches complex junction like GHI . Avoids all dead ends except D and C. this is probably because he can smell the cheese and food on the other side of the wall from these locations |
| 7. | 0:50 | ABEGEGHIJLMLMN | Appears to make more mistakes here when compared to the previous trial, however, here his time was much better because of the confidence which he seems to have developed. He no longer continues the sniffing and is now occupying himself with actually finding the food. |
| 8. | 0:30 | ABCEGIJLMN | He anticipates several turns before he reaches them and he avoids all dead ends except C. Fastest run and extremely swift. Quick even speed distributed over long stretches of maze –expected turns. Focused and seemingly occupied with completing the maze and reaching his food. Officially memorized the maze. |
| 9. | --- | --- | --- |
| 10. | --- | --- | --- |
| 11. | --- | --- | --- |
| 12. | --- | --- | --- |

Part 2 –In Johannesburg, South Africa

Table 10.10 -Mouse 1 (S.A.):

|  |  |  |  |
| --- | --- | --- | --- |
| Number of Trials: | Time: (minutes –sometimes rounded to nearest 5seconds) | Observations: | |
| Course Taken (order of subsequent corridors entered during run –as seen on diagram of U.S. maze) | Other:  (Mannerisms, agility, speed, behavior, habits, etc.) |
| 1. | 1:00 | ABGEJKJIHIJKLMN | (The mice in Part 2 have no opportunity to demonstrate their growing antipathy for leaving the cup that is used to give them access to the maze, because they are inserted vertically.) Hyperactive. Avoided previously troublesome dead ends: CDF. Repetition in his movement around corridors HIJK. Slightly occupied with exploring surroundings. |
| 2. | 2:15 | ABDBABEGIJKJIHIJKJIHIJLMN | Avoided dead end C but seemed preoccupied with the surroundings and the materials of the maze. Very excited, however this is not abnormal for this mouse. |
| 3. | 3:15 | ABFGHIJIJKLKLMN | Avoided D and C. Had a significantly slower pace. And uncertainty of direction was prevalent. Grows more familiar and more comfortable with surroundings. But still, easily gets lost. Repetition of corridors JKL. |
| 4. | 1:15 | ABFEGHIJLMN | Large improvement in timing due to increased awareness of maze configuration. Heightened levels of anticipation of turns. A more confident equanimity. |
| 5. | 1:00 | ABDGEGEFEGIJLMN | Progressing along the same lines as trial 4. Seems certain of decisions and relaxed. Avoided dead end C. |
| 6. | 1:15 | ABEGHIJLMN | Avoided all dead ends, but with hesitation, not as quick and intent as the previous trials. |
| 7. | 0:45 | ABEFEGHIJLMN | More confidant. But did enter dead end F, a previously avoided corridor. Retains the active and energetic mentality throughout. |
| 8. | 0:30 | ABEGIJLMN | Most halcyon run yet. Very agile throughout. Quick even speed distributed over long stretches of maze –expected turns. Focused and seemingly occupied with completing the maze and reaching the cheese. Officially memorized the maze. |
| 9. | --- | --- | --- |
| 10. | --- | --- | --- |
| 11. | --- | --- | --- |
| 12. | --- | --- | --- |

Table 10.11 -Mouse 2 (S.A.):

|  |  |  |  |
| --- | --- | --- | --- |
| Number of Trials: | Time: (minutes –sometimes rounded to nearest 5seconds) | Observations: | |
| Course Taken (order of subsequent corridors entered during run –as seen on diagram of U.S. maze) | Other:  (Mannerisms, agility, speed, behavior, habits, etc.) |
| 1. | 0:50 | ABCDGHGEFEGIJKLMN | Very similar in behavior to mouse 1. Slightly more agitated then normal at start. Scurries in and around of corridor E for over 20seconds. Active and agile. Keen and alert at all times. |
| 2. | 1:30 | ABCDDBABDEGEDFBEGLMN | Sniffing walls, more occupied with surroundings and materials of maze. Avoided dead end K. Still slightly agitated. Less intent upon completing the maze. |
| 3. | 4:30 | ABEGIHGEABEGIJKLMLJIHGEFDABCDCEGIJLMN | Not familiar with surroundings, Obviously lost and confused at several junction. More relaxed than previous trials. Repetition of central corridors of maze. (Indicating no knowledge of the maze configuration.) Maintains active status. |
| 4. | 3:00 | ABECEGIGHGHGEBABEGHIJLMN | More confident. Seemed to be confused when it came to escaping junction GHI. Demonstrated a slight improvement in timing since trial 3. Avoided dead end K. Highly active. |
| 5. | 0:50 | ABEGIJLKLMN | Remarkable improvement in agility and speed and especially intent. Anticipates turn and seems to have reached the stage where he is at home in the maze and feels comfortable with his surroundings. |
| 6. | 0:40 | ABDCEGIJLMN | Much more confident and expectant of turns. Avoids all dead ends except D and C. This is, once again, probably because he can smell the cheese and food on the other side of the wall. (Which means he does not remember he cannot reach it that way.) |
| 7. | 0:25 | ABEGIJLMLMN | Clear improvement in knowledge of maze configuration. Appeared to predict maze configuration in advance. Completed the maze in the shortest amount of time and taking the shortest route with the exception of his hick-up in corridor LM Fastest run, and most agile. Quick even speed distributed over long stretches of maze –expected turns. Focused and seemingly occupied with completing the maze and reaching his food. Officially memorized the maze. |
| 8. | --- | --- | --- |
| 9. | --- | --- | --- |
| 10. | --- | --- | --- |
| 11. | --- | --- | --- |
| 12. | --- | --- | --- |

Multimedia Databases:

Table 10.12 – Database for Multimedia presentations of 15second motion picture clips of the U.S. runs: (select the corresponding link of the run to be viewed)

|  |  |
| --- | --- |
| Mouse 1 – Trial 1 | [..\clips\Mouse 1 - Trial 1.MPG](about:blank) |
| Mouse 1 – Trial 8 | [..\clips\Mouse 1 - Trial 8.MPG](about:blank) |
| Mouse 2 – Trial 1 | [..\clips\Mouse 2 - Trial 1.MPG](about:blank) |
| Mouse 2 – Trial 8 | [..\clips\Mouse 2 - Trial 8.MPG](about:blank) |
| Mouse 3 – Trial 1 | [..\clips\Mouse 3 - Trial 1.MPG](about:blank) |
| Mouse 3 – Trial 7 | [..\clips\Mouse 3 - Trial 7.MPG](about:blank) |
| Mouse 4 – Trial 1 | [..\clips\Mouse 4 - Trial 1.MPG](about:blank) |
| Mouse 4 – Trial 8 | [..\clips\Mouse 4 - Trial 8.MPG](about:blank) |
| Mouse 5 – Trial 1 | [..\clips\Mouse 5 - Trial 1.MPG](about:blank) |
| Mouse 5 – Trial 7 | [..\clips\Mouse 5 - Trial 7.MPG](about:blank) |
| Mouse 6 – Trial 1 | [..\clips\Mouse 6 - Trial 1.MPG](about:blank) |
| Mouse 6 – Trial 9 | [..\clips\Mouse 6 - Trial 9.MPG](about:blank) |
| Mouse 7 – Trial 1 | [..\clips\Mouse 7 - trial 1.MPG](about:blank) |
| Mouse 7 – Trial 7 | [..\clips\Mouse 77 - Trial 7.MPG](about:blank) |
| Mouse 8 – Trial 1 | [..\clips\Mouse 8 - Trial 1.MPG](about:blank) |
| Mouse 8 – Trial 6 | [..\clips\Mouse 8 - Trial 6.MPG](about:blank) |

Table 10.13 -Database for multimedia presentations of 15second motion picture clips of the S.A. runs: (select the corresponding link for the run to be viewed) 10.14

|  |  |
| --- | --- |
| Mouse 1 – Trial 1 | [..\clips\SA\Mouse 1 trial 1.MPG](about:blank) |
| Mouse 1 – Trial 2 | [..\clips\SA\Mouse 2 trial5 - SA.MPG](about:blank) |